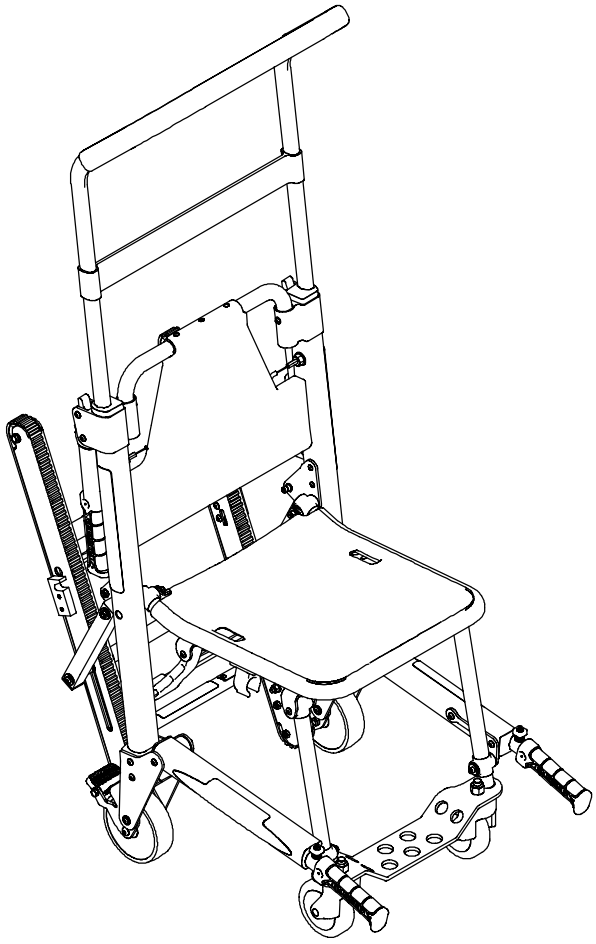
IMPORTANT
Keep manual on file at all times.

stryker®



Model 6253
Evacuation Chair

OPERATIONS/MAINTENANCE MANUAL

For Parts or Technical Assistance
1–800–327–0770

Table of Contents

Introduction

- Specifications . . . 3
- Warning / Caution / Note Definition . . . 3

Warranty . . . 4, 5

Summary of Safety Precautions . . . 6

Set–Up Procedures . . . 7

Training . . . 7

Component Identification . . . 8

Evacuation Chair Operation

- Operating Guidelines . . . 9
- Unfolding/Folding the Evacuation Chair . . . 10
- Transferring the Passenger to the Evacuation Chair . . . 11
- Using Restraint Straps . . . 12–15
- Proper Lifting Techniques . . . 15
- Transporting the Passenger on Flat Surfaces . . . 16
- Transporting the Passenger Down Stairs . . . 17, 18
- Transporting the Passenger Up Stairs . . . 19
- Operating the Wheel Locks . . . 20
- Adjusting the Wheel Locking Force . . . 21
- Using the Head Support . . . 22
- Using Additional Assistance . . . 23
- Installing the Optional Wall Storage Bracket . . . 24
- Installing and Removing the Optional Chair Cover . . . 25

Preventative Maintenance

- Cleaning . . . 26, 27
- Preventative Maintenance Schedule & Checklist . . . 28

Service Information

- Upper Control Handle Release Cable Replacement . . . 29, 30
- Track Belt Reconditioning . . . 31, 32

Maintenance Record . . . 33

Training Record . . . 34

Table of Contents

Assembly Drawings and Parts Lists

- Chair Assembly 35–38
- Flip–Up Handle Assembly 39
- Lock Mechanism Assembly 40
- Main Frame Assembly 41–43
- Stair–TREAD™ Frame Assembly 44
- Internal Latch Assembly 45, 46
- Cable and Pin Assembly 47
- Upper Control Handle Assembly 48
- Seat Section Assembly 49
- Extension Handle Assembly 50, 51
- Foot Support Assembly 52

Quick Reference Replacement Parts List 53

Introduction

INTRODUCTION

This manual is designed to assist you with the operation and maintenance of the Stryker EMS model 6253 Evacuation Chair. Read it thoroughly before using the equipment or beginning any maintenance on it.

SPECIFICATIONS[1]

Height	45” / 114 cm.
Width	20.5” / 52 cm.
Depth[2]	28” / 71 cm.
Folded Depth	11” / 28 cm.
Weight	34 lbs. / 15.5 kg.
Maximum Load[3]	400 lbs. / 181 kg.

1 Dimensions are measured from the outermost edges of the main frame. Specifications are rounded. Conversions are calculated before rounding.

2 Depth dimensions are measured with extendable handles retracted.

3 Maximum load capacity is total weight distributed in accordance to basic human anatomy. Operators must consider the weight of the passenger, equipment, and accessories when determining the total weight load on the product.

Stryker reserves the right to change specifications without notice.

WARNING / CAUTION / NOTE DEFINITION

The words WARNING, CAUTION and NOTE carry special meanings and should be carefully reviewed.

WARNING

Alerts the reader about a situation, which if not avoided, could result in death or serious injury. It may also describe potential serious adverse reactions and safety hazards.

CAUTION

Alerts the reader of a potentially hazardous situation, which if not avoided, may result in minor or moderate injury to the user or patient or damage to the equipment or other property. This includes special care necessary for the safe and effective use of the device and the care necessary to avoid damage to a device that may occur as a result of use or misuse.

NOTE

This provides special information to make maintenance easier or important instructions clearer.

Warranty

Stryker EMS, a division of the Stryker Corporation, offers two distinct warranty options in the United States:

One (1) year parts and labor. Under this option, Stryker EMS warrants to the original purchaser that its products should be free from manufacturing non−conformances that affect product performance and customer satisfaction for a period of one (1) year after date of delivery. Stryker's obligation under this warranty is expressly limited to supplying replacement parts and labor for, or replacing, at its option, any product that is, in the sole discretion of Stryker, found to be defective.

Two (2) year parts. Under this option, Stryker EMS warrants to the original purchaser that non−expendable components of its products should be free from manufacturing non−conformances that affect product performance and customer satisfaction for a period of two (2) years after date of delivery. Stryker's obligation under this warranty is expressly limited to supplying replacement parts for, or replacing, at its option, any product which is, in the sole discretion of Stryker, found to be defective. Expendable components, i.e. mattresses, restraints, IV poles, storage nets, storage pouches, O2 straps, and other soft goods, have a one (1) year limited warranty with this option.

Under either warranty option, Stryker EMS warrants to the original purchaser that welds on its products will be free from structural non−conformances that affect product performance for the full service life of the product. Original purchasers will also obtain a three (3) year limited parts warranty for the X frame components of the MX−PRO R3 stretcher provided they also purchase X−frame guards at the time of the original purchase and the guards are installed on the MX−PRO before it is put into service.

If Stryker requests, products or parts for which an original purchaser makes a warranty claim, the purchaser shall return the product or part prepaid freight to Stryker's factory.

Any improper use or alteration or repair by unauthorized service providers in such a manner as in Stryker's judgment affects the product materially and adversely, shall void this warranty. Any repair of Stryker products using parts not provided or authorized by Stryker shall void this warranty. No employee or representative of Stryker is authorized to change this warranty in any way.

This statement constitutes Stryker EMS's entire warranty with respect to the aforesaid equipment. STRYKER MAKES NO OTHER WARRANTY OR REPRESENTATION EITHER EXPRESSED OR IMPLIED, EXCEPT AS SET FORTH HERIN. THERE IS NO WARRANTY OF MERCHANTABILITY AND THERE ARE NO WARRANTIES OF FITNESS FOR ANY PARTICULAR PURPOSE. IN NO EVENT SHALL STRYKER BE LIABLE HEREUNDER FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING FROM OR IN ANY MANNER RELATED TO SALES OR USE OF ANY SUCH EQUIPMENT.

Warranty

Stryker EMS Return Policy

Cots, Stair Chairs, Evacuation Chairs, Cot Fasteners and Aftermarket Accessories: may be returned up to 180 days of receipt if they meet the following guidelines:

Prior to 30 Days

- 30 day money back guarantee in effect
- Stryker EMS is responsible for all charges
- Returns will not be approved on modified items

Prior to 90 Days

- Product must be **unused**, **undamaged** and in the original packaging
- Customer is responsible for a 10% restocking fee

Prior to 180 Days

- Product must be **unused**, **undamaged** and in the original packaging
- Customer is responsible for a 25% restocking fee

Return Authorization:

Merchandise cannot be returned without approval from the Stryker Customer Service Department. An authorization number will be provided which must be printed on the returned merchandise. Stryker reserves the right to charge shipping and restocking fees on returned items.
SPECIAL, MODIFIED, OR DISCONTINUED ITEMS NOT SUBJECT TO RETURN.

Damaged Merchandise:

ICC Regulations require that claims for damaged merchandise must be made with the carrier within fifteen (15) days of receipt of merchandise. DO NOT ACCEPT DAMAGED SHIPMENTS UNLESS SUCH DAMAGE IS NOTED ON THE DELIVERY RECEIPT AT THE TIME OF RECEIPT. Upon prompt notification, Stryker will file a freight claim with the appropriate carrier for damages incurred. Claim will be limited in amount to the actual replacement cost. In the event that this information is not received by Stryker within the fifteen (15) day period following the delivery of the merchandise, or the damage was not noted on the delivery receipt at the time of receipt, the customer will be responsible for payment of the original invoice in full.
Claims for any short shipment must be made within thirty (30) days of invoice.

International Warranty Clause:

This warranty reflects U.S. domestic policy. Warranty outside the U.S. may vary by country. Please contact your local Stryker Medical representative for additional information.

Patent Information

Rugged® Products are manufactured under the following patents:

United States	5,575,026	6,276,010
	5,537,700	6,125,485

Other Patents Pending

Summary of Safety Precautions

The following is a list of safety precautions that must be observed when operating or servicing this unit. They are repeated throughout the manual, where applicable. Carefully read this list before using or servicing the unit.

WARNING

- Improper usage of the Stryker Evacuation Chair can cause injury to the passenger or operator. Operate the Evacuation Chair only as described in this manual.
- An unlocked chair can fold during use, causing injury to the passenger or operator. Before using, always make sure the chair is locked in the unfolded position.
- To avoid injury, always verify the lift handles are locked in place before using them to lift the chair.
- Always use all restraint straps to secure the passenger on the chair. An unrestrained passenger may fall from the chair and be injured.
- Never leave a passenger unattended on the chair or injury could result. Hold the chair securely while a passenger is on the chair.
- The Stryker Evacuation Chair is not recommended for use with suspected cervical, spinal, or fracture injuries.
- To avoid injury, when a passenger weighing more than 200 pounds is on the chair, use a *minimum* of two operators to transport on stairs. If more people are required to safely control the chair, use the chart on page 23 as reference for proper positioning of the helpers.
- Only use the wheel locks during passenger transfer or without a passenger on the chair. Tipping could occur if the chair is moved while wheel locks are applied, resulting in injury to the passenger or operator and/or damage to the chair.
- Never use a wheel lock on a chair with excessively worn wheels. Using a wheel lock on a wheel with less than a 5" diameter could compromise the holding ability of the wheel lock, resulting in injury to the passenger or operator and/or damage to the chair or other equipment.
- To avoid injury, always verify the Stair–TREAD™ is securely locked in place before transporting the passenger.
- Water, ice and debris on the stairs can affect operator footing and proper operation of the Stair–TREAD™ system. To avoid injury, clear the path or consider an alternate route.
- Condensation, water, ice and/or debris on the Stair–TREAD™ can cause unpredictable performance, resulting in a sudden change in the weight the operator(s) must support. To avoid injury, and to aid proper operation of the Stair–TREAD™, ensure the belts are clean and dry before transporting the passenger.
- Never lubricate the Stair–TREAD™ system. Lubrication on the system can cause inconsistent operation possibly resulting in injury to the passenger or operator.
- To avoid injury to the operators and/or the patient, operators should never attempt to transport patient loads greater than what they can safely lift.
- Do not sand the track teeth. Deformation of the teeth can cause unpredictable chair performance resulting in injury to the operators and/or passenger.

CAUTION

- Do not modify the Stryker EMS Evacuation Chair. Modifying the chair can cause unpredictable operation resulting in injury to the passenger or operator. Modifying the chair will also void its warranty.
- Improper maintenance can cause injury or damage to the unit. Maintain the Evacuation Chair as described in this manual. Use only Stryker approved parts and maintenance procedures. Using unapproved parts and procedures could cause unpredictable operation and/or injury and will void the product warranty.
- Wheel locks are only intended to help prevent the empty chair from rolling while unattended and to aid in passenger transfer. The wheel lock may not provide sufficient resistance on all surfaces or under loads.
- Casters are not suitable for all surfaces. Caution should be used at all times.
- Release the red track release bar *before* clicking the Stair–TREAD™ into the locked position. Failure to follow this procedure could result in the track failing to lock. Always verify the Stair–TREAD™ is locked by trying to fold it before descending stairs.

Set–Up Procedures

Unpack the cartons and check all items for proper operation. It is important that the Stryker EMS Evacuation Chair is working properly before it is put into service. Have a qualified service person use the following list and the operation instructions to check the chair before it is put into service.

- All fasteners secure (reference all assembly drawings)
- All welds intact, not cracked or broken
- No bent or broken tubing or sheet metal
- No debris in wheels
- All wheels secure and rolling properly
- Chair unfolds and locks properly
- No cracks in seat or backrest
- Passenger restraints intact and working properly
- Wheel locks operating properly
- Foot end lift handles extend and lock properly
- Head end lift handles fold and unfold
- Casters secure, rolling and swiveling properly
- Upper control handle extends and locks in both positions
- Stair–TREAD™ unfolds and locks
- Track belts roll properly
- Optional accessories intact and operating properly

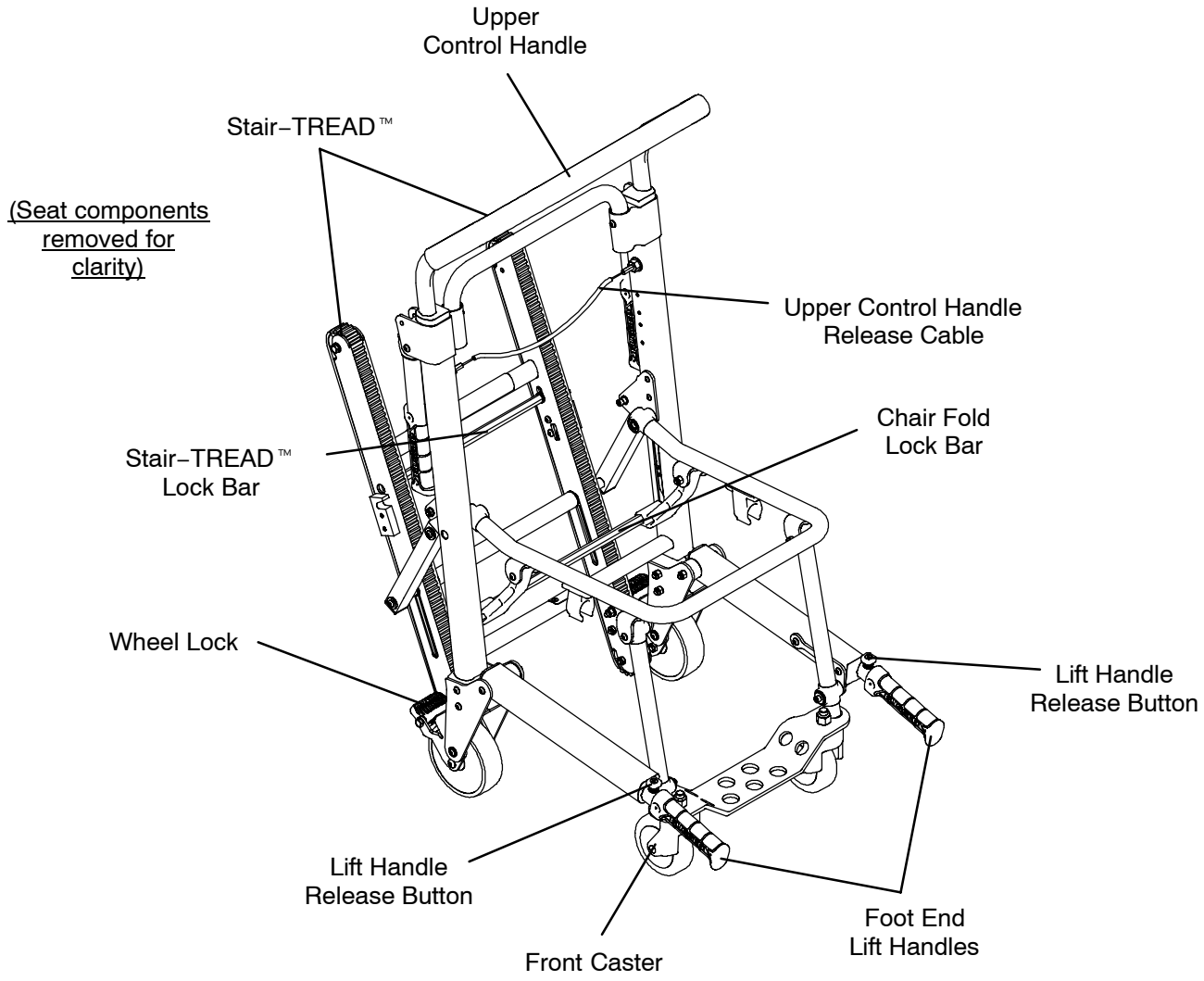
CAUTION

Do not modify the Stryker EMS Evacuation Chair. Modifying the chair can cause unpredictable operation resulting in injury to the passenger or operator. Modifying the chair will also void its warranty.

TRAINING

Stryker EMS recommends training all potential users on the use of this device. Use this manual as a training tool and use the form on page 34 as a training record.

Component Identification



OPERATING GUIDELINES

- Use the Stryker EMS Evacuation Chair only as described in this manual.
- Read all labels and instructions on the chair before using the chair.
- When a passenger weighing over 200 pounds is on the chair, use a minimum of two operators to manipulate the chair on stairs.
- Do not roll the chair, ascend, or descend stairs without advising the passenger. Stay with the passenger and control the chair at all times.
- Only use the wheel locks during passenger transfer or without a passenger on the chair.
- Always use the restraint straps when a passenger is on the chair.
- Use properly trained helpers when necessary to control the chair and passenger.

WARNING

Always use all restraint straps to secure the passenger on the chair. An unrestrained passenger may fall from the chair and be injured.

Only use the wheel locks during passenger transfer or without a passenger on the chair. Tipping could occur if the chair is moved while the wheel locks are applied, resulting in injury to the passenger or operator and/or damage to the chair.

Condensation, water, ice and/or debris on the Stair–TREAD™ can cause unpredictable performance, resulting in a sudden change in the weight the operator(s) must support. To avoid injury, and to aid proper operation of the Stair–TREAD™, ensure the belts are clean and dry before transporting the passenger.

To avoid injury to the operators and/or the patient, operators should never attempt to transport patient loads greater than what they can safely lift.

UNFOLDING/FOLDING THE CHAIR

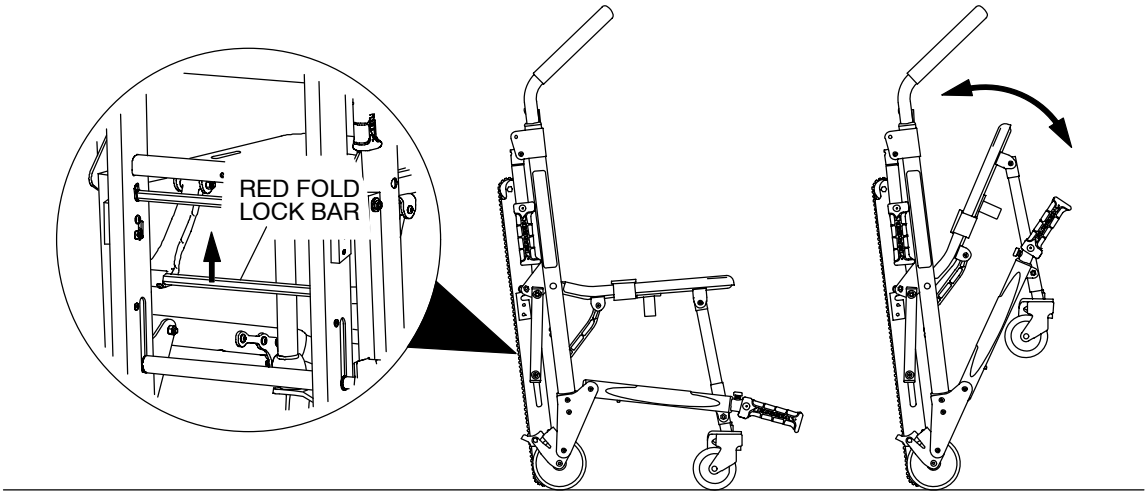


Figure 1 – Unfolding/Folding the chair

To unfold the chair:

1. Stand behind the chair.
2. Apply the wheel locks (if desired).
3. Pull the backrest and the seat apart. The lock mechanism will automatically engage when the chair is completely unfolded.
4. Verify the lock is engaged by pulling up on the seat. If the lock is properly engaged, the chair will not fold.

WARNING

An unlocked chair can fold during use, causing injury to the passenger or operator. Always make sure the chair is locked in the unfolded position before using.

To fold the chair:

1. Apply the wheel locks (if desired). Buckle the restraint straps and fold them neatly to prevent them from interfering with proper folding of the chair. Secure the head support strap behind the chair frame.
2. Stand at the side of the chair.
3. Pull up on the red lock bar at the rear of the chair.
4. Tip the chair forward.
5. Fold the seat up to the backrest until the front legs lock in the clips on the bottom of the seat tube.

NOTE

Rotate the front casters so they don't interfere with folding the chair.

TRANSFERRING THE PASSENGER TO THE STRYKER EMS EVACUATION CHAIR

1. Place the chair beside the passenger.
2. Apply the wheel locks to prevent the chair from moving.
3. Open the restraint straps.
4. Extend the upper control handle.
5. With the passenger's permission, help the passenger onto the chair.
6. Use all the restraints to secure the passenger on the chair (see page 12).
7. Disengage the wheel locks before transporting.

WARNING

The Stryker EMS Evacuation Chair is not recommended for use with suspected cervical, spinal, or fracture injuries.

USING RESTRAINT STRAPS

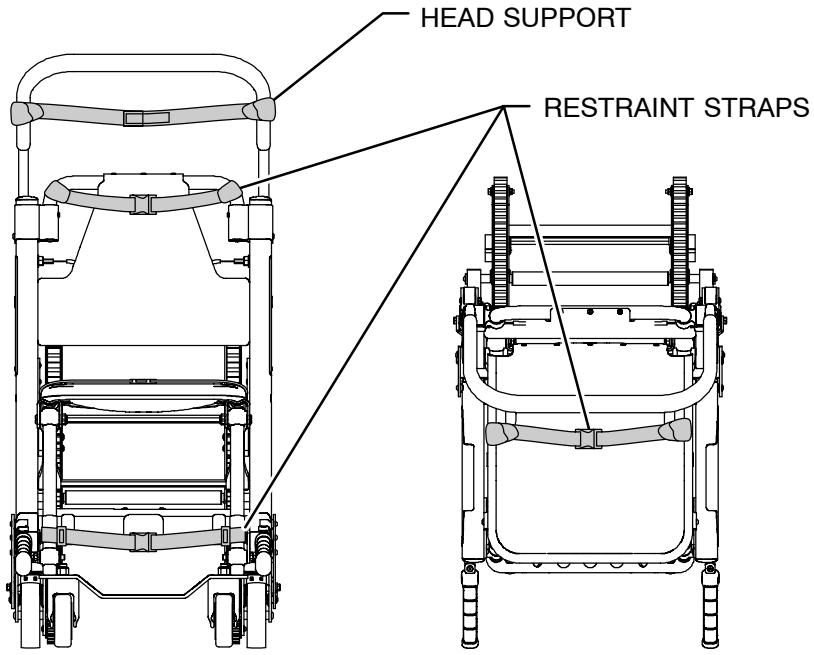


Figure 2
Strap Attachment Points
Front View

Figure 3
Lap Strap
Attachment Points
Top View

WARNING

Always use all restraint straps to secure the passenger on the chair. An unrestrained passenger may fall from the chair and be injured.

Always secure the passenger on the chair with all restraint straps. Buckle one restraint across the passenger's chest and the other across the passenger's lap. Buckle the ankle restraint across the passenger's legs.

To avoid damage to the buckles and straps, keep the restraint straps buckled when the chair is not being used with a passenger.

When attaching the restraint straps to the chair, remember the attachment points must provide strong anchorage and proper restraint position while not interfering with equipment and accessories.

USING RESTRAINT STRAPS (CONTINUED)

To attach the chest straps:

1. Wrap each strap around the chair frame, insert the end through the loop on the end of the strap and pull it tight.
2. Pull the strap across the passenger's chest, lengthening the strap as necessary.
3. Buckle the strap.
4. Pull the loose end of the strap to tighten it securely around the passenger.
5. Repeat for the lap restraint and the ankle restraint.

Figure 6 – Lengthen strap as necessary

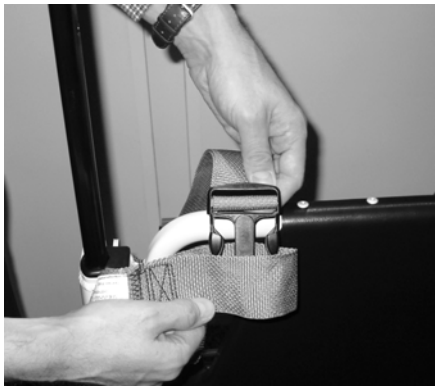


Figure 4 – Insert the end through the loop

Figure 7 – Buckle strap

Figure 5 – Pull the strap tight

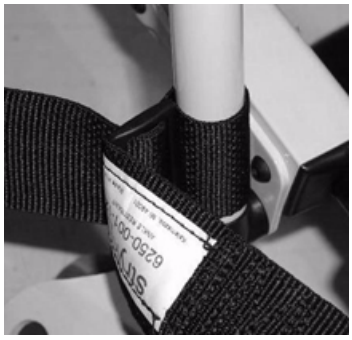
Figure 8 – Tighten strap securely

USING RESTRAINT STRAPS (CONTINUED)

To attach the ankle strap:

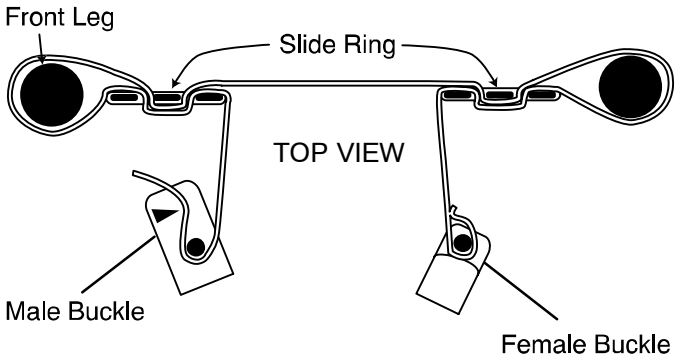
1. Remove the three plastic pieces from the strap.
2. Thread the strap through one of the plastic “D” rings and slide the ring down to the end of the strap up to the white label.

3. Loop the strap around the front leg of the chair and pull the loose end of the strap through the ring. Pull until the ring rests against the foot rest tube.



4. Thread the strap through the other “D” ring.
5. Loop the strap around the other front leg of the chair and pull the loose end of the strap through the loop. Pull until the “D” ring rests against the foot rest tube.

6. Attach the final “male” end clip on the strap.



Figures 9–17 – Attaching the leg strap

USING RESTRAINT STRAPS (CONTINUED)

To lengthen the restraint, grasp the buckle, turn it at an angle to the webbing and pull it out. A hemmed tab at the end of the webbing prevents the buckle from coming off the strap.
To shorten the restraint, grasp the hemmed tab and pull the webbing back through the buckle until the required tightness is achieved.

When the chair is put into service, open the restraints and place them at either side of the chair until the passenger is positioned on the seat. Lengthen the restraint, buckle it around the passenger and shorten it until the required tightness to properly secure the passenger is achieved.

To open the restraint, press the tabs on the side of the buckle to release the buckle and pull the tang out of the receiver.
To close the restraint, push the tang into the receiver until a ”click” is heard.

Whenever a restraint is buckled on a passenger, the attendant should verify the tang is locked and the extra webbing is not tangled in the chair or hanging loose.

Inspection of the restraints should be done at least once a month (more frequently if used heavily). Inspection should include checking for a bent or broken receiver or tang, torn or frayed webbing, etc. Any restraint showing wear or not operating properly must be replaced immediately.

PROPER LIFTING TECHNIQUES

When lifting the Evacuation Chair and passenger, there are five basic guidelines to remember:

1. Keep your hands close to your body.
2. Keep your back straight.
3. Coordinate your movements with your partner and lift with your legs.
4. Avoid twisting.
5. Always operate the Evacuation Chair as described in this manual.

TRANSPORTING THE PASSENGER ON FLAT SURFACES

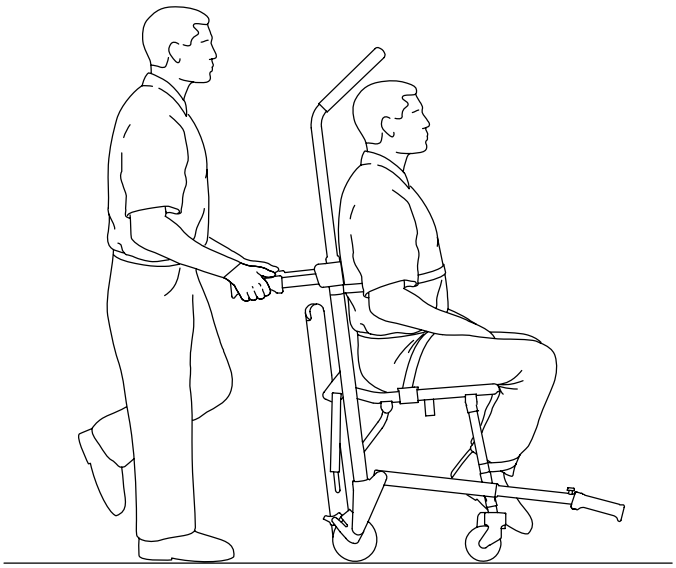


Figure 18 – Transporting the passenger

To roll the Evacuation Chair over flat surfaces, push and guide the chair from the rear of the passenger, using either the head end lift handles or the backrest tube. Lift the chair over and around obstructions with the head end and foot end lift handles.

In addition to the head end lift handles, the extendable upper control handle can be used in either position to roll and guide the chair. Extend the upper control handle by pulling the red release cable with one hand, and pulling up on the control handle with the other. Release the cable to lock the handle in the fully extended position. Lift the chair over and around obstructions with the head end and foot end lift handles.

CAUTION

Casters are not suitable for all surfaces. Caution should be used at all times.

TRANSPORTING THE PASSENGER DOWN STAIRS

WARNING

To avoid injury, always verify the Stair–TREAD™ is locked in place before transporting the passenger.

To avoid injury, when a passenger weighing more than 200 pounds is on the chair, use a *minimum* of two operators to transport on stairs. If more people are required to safely control the chair, use the chart on page 23 as reference for proper positioning of the helpers.

To avoid injury, always verify the lift handles are locked in place before using them to lift the chair.

1. Roll the chair to the stairs and align it squarely with the edge of the first step.
2. Foot end operator (if necessary) – Extend the foot end lift handles by pushing the red release buttons and pulling the handles out until they stop. Release the buttons and verify the handles are locked.
3. Before putting the passenger on the chair, use one hand to pull the red upper control handle release cable while using the other hand to pull up and fully extend the handle. Release the cable and verify the handle is locked on both sides in the fully extended position.
4. Head end operator – Squeeze the red track release bar against the black cross tube. Relax your grip on the release bar and forcefully pull the Stair–TREAD™ to the fully extended position until both sides lock securely. Always verify both sides of the Stair–TREAD™ are locked by trying to fold it back up.

CAUTION

Release the red track release bar *before* clicking the Stair–TREAD™ into the locked position. Failure to follow this procedure could result in the track failing to lock. Always verify the Stair–TREAD™ is locked by trying to fold it before descending stairs.

5. Tilt the chair back just far enough to allow the Stair–TREAD™ to contact the floor.

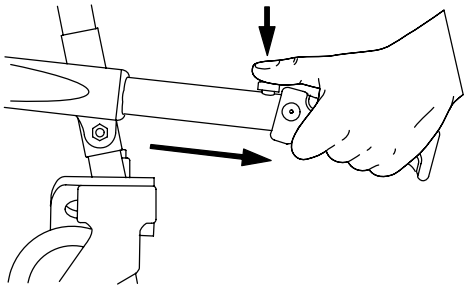


Figure 19 – Foot end lift handles

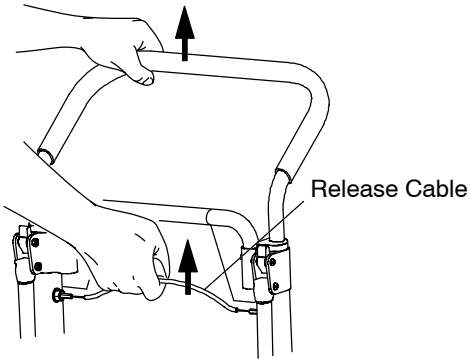


Figure 20 – Upper control handle release cable

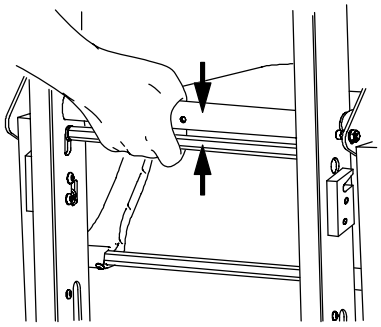


Figure 21 – Red track release bar

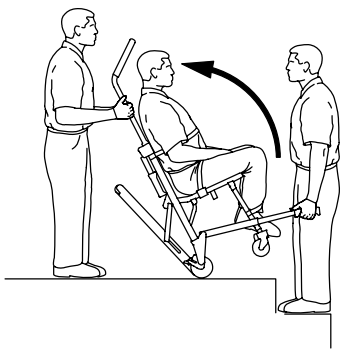


Figure 22 – Tilt the chair

TRANSPORTING THE PASSENGER DOWN STAIRS (CONTINUED)

6. Maintaining the angle, guide the Evacuation Chair over the edge of the stairs, allowing the Stair–TREAD™ to engage the first step.
7. Glide down the stairs until the treads are level across the edges of two or three steps.

WARNING

The Stair–TREAD™ system may not work the same on all stair surfaces and in all environmental conditions. Based on conditions, varying amounts of resistance may be encountered. Avoid getting dirt or other obstructions inside the tracks.

Water, ice and debris on the stairs can affect operator footing and proper operation of the Stair–TREAD™. To avoid injury, clear the path or consider an alternate route.

Condensation, water, ice and/or debris on the Stair–TREAD™ can cause unpredictable performance, resulting in a sudden change in the weight the operator(s) must support. To avoid injury, and to aid proper operation of the Stair–TREAD™, ensure the belts are clean and dry before transporting the passenger.

To avoid injury to the operators and/or the patient, operators should never attempt to transport patient loads greater than what they can safely lift.

8. Foot end operator (if necessary) – when the track reaches the last step, release the front handles. Head end operator – allow the chair to tip forward until all four wheels are on the ground. Roll the chair as described on page 16.
9. To fold the Stair–TREAD™, pull the red track release bar toward the black cross bar and fold the track up toward the chair. Verify the Stair–TREAD™ is locked in place.

CAUTION

Release the red track release bar *before* clicking the Stair–TREAD™ into the locked position. Failure to follow this procedure could result in the track failing to lock. Always verify the Stair–TREAD™ is locked by trying to fold it before descending stairs.

If, while descending the stairs, either operator needs to pause or rest, tilt the chair forward just enough to allow the rear wheels to rest in the crook of the stair. To continue down the stairs from the resting position, the head end operator exerts slight downward pressure on the upper control handle while the foot end operator provides slight upward pressure to tilt the chair back and engage the Stair–TREAD™.

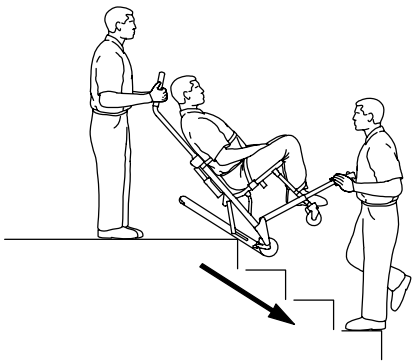


Figure 23 – Track engaging first step

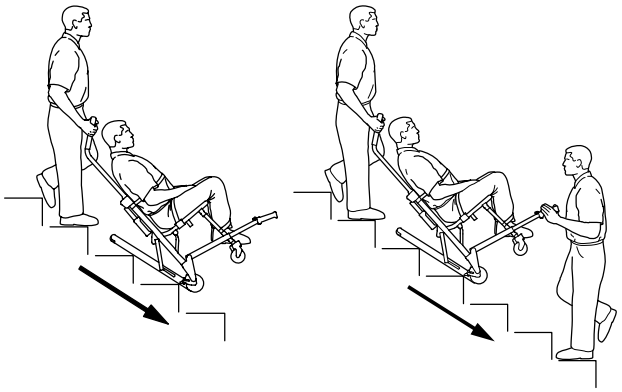


Figure 24 – Transporting down the stairs

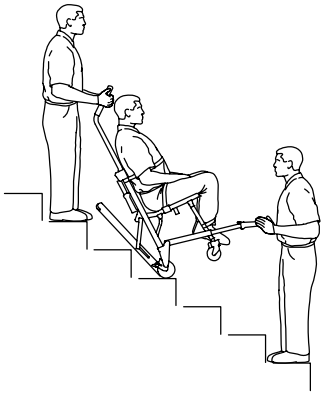


Figure 25 – "Resting Position"

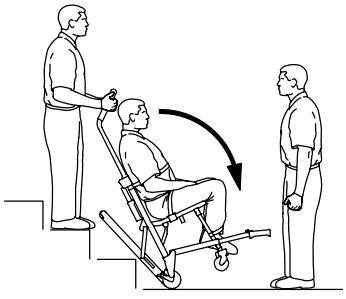


Figure 26 – Bottom of stairs

TRANSPORTING THE PASSENGER UP STAIRS

WARNING

To avoid injury, when a passenger weighing more than 200 pounds is on the chair, use a *minimum* of two operators to transport on stairs. If more people are required to safely control the chair, use the chart on page 23 as reference for proper positioning of the helpers.

To avoid injury, always verify the lift handles are locked in place before using them to lift the chair.

1. Roll the chair to the bottom of the stairs with the passenger's back to the stairs.
2. Foot end operator – extend the foot end lift handles by pushing the red buttons and pulling the handles until they stop. Release the button and verify the handle is locked.
3. Head end operator – unfold the head end lift handles.
4. The foot end operator faces up the stairs. The head end operator may either face backward for improved passenger monitoring or forward for an improved view of the stairs and easier maneuvering around obstacles.
5. Both operators – simultaneously lift the chair, using the head and foot end lift handles and following proper lifting techniques (see page 15). Carry the chair slowly up the stairs, avoiding any obstructions.

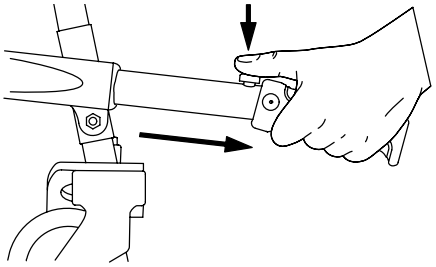


Figure 27 – Foot end lift handles

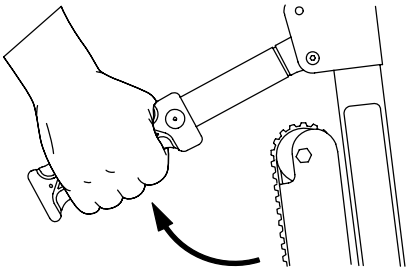


Figure 28 – Head end lift handles

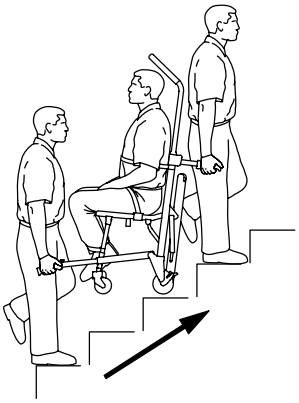


Figure 29 – Transporting up the stairs

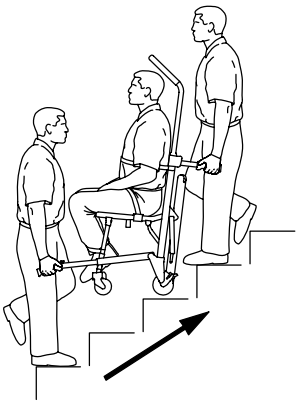


Figure 30 – Transporting up the stairs

OPERATING THE WHEEL LOCKS

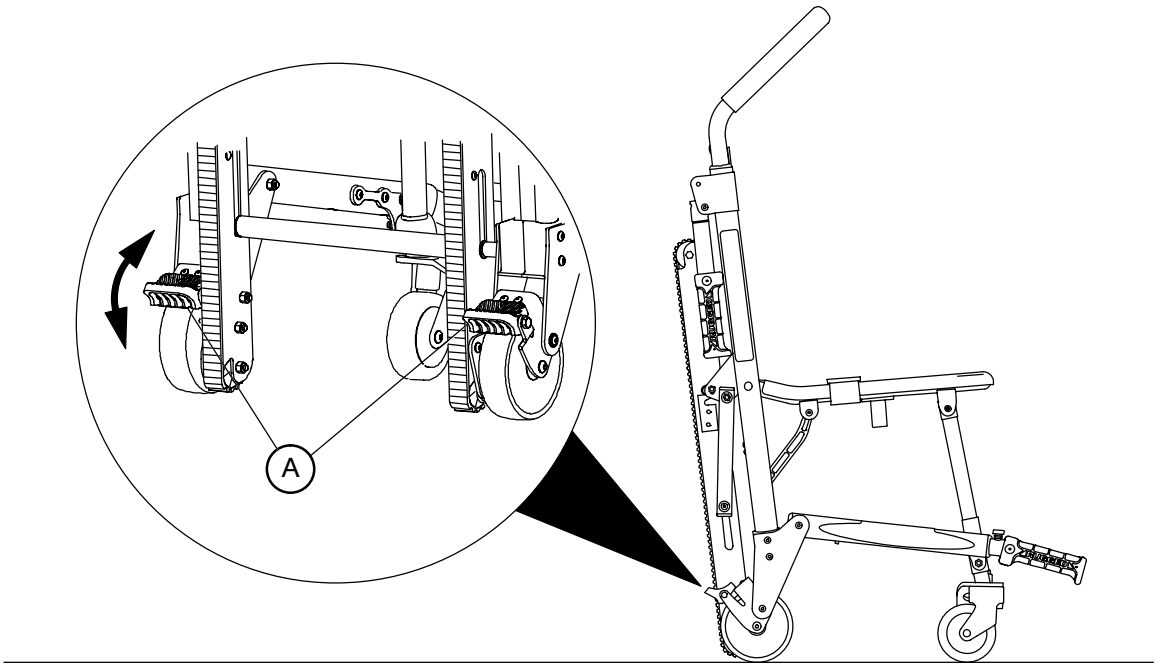


Figure 31 – Wheel locks

1. To activate the wheel locks, press down on the pedals (A) until they stop.
2. To release the wheel locks, depress the upper face of the pedal with your foot or lift up with your toe under the pedal. The upper portion of the pedal will rest against the chair frame when the wheel lock is released.

WARNING

Only use wheel locks during passenger transfer or without a passenger on the chair. Tipping could occur if the chair is moved while the wheel locks are applied, resulting in injury to the passenger or operator and/or damage to the chair.

Never leave a passenger unattended on the chair or injury could result. Hold the chair securely while a passenger is on the chair.

Never use a wheel lock on a chair with excessively worn wheels. Using a wheel lock on a wheel with less than a 5” diameter could compromise the holding ability of the wheel lock, possibly resulting in injury to the passenger or operator and/or damage to the chair or other equipment.

CAUTION

Wheel locks are only intended to help prevent the empty chair from rolling while unattended, and to aid in passenger transfer. A wheel lock may not provide sufficient resistance on all surfaces or under loads.

ADJUSTING THE WHEEL LOCKING FORCE

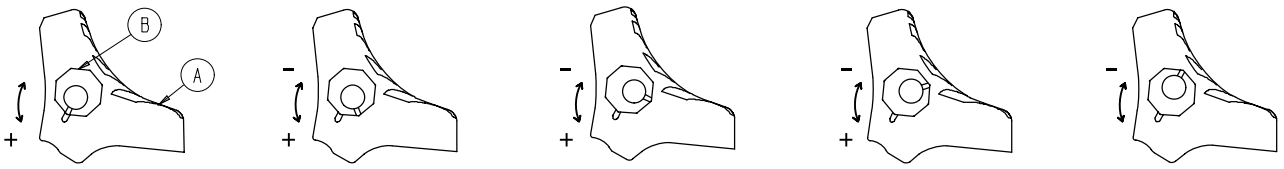


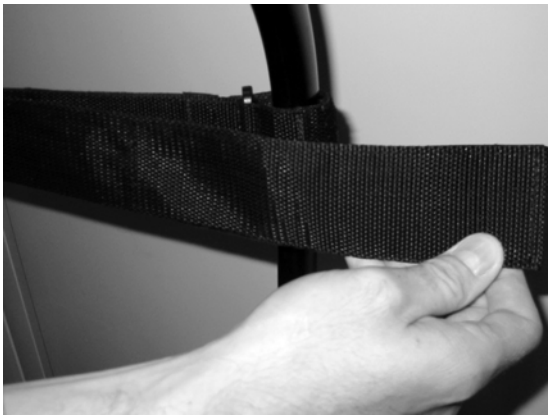
Figure 32 – Wheel locking force adjustment

1. To adjust the wheel locking force, remove the screw from the center of the lock pedal. The wheel lock is initially assembled with the pedal set at the minimum locking force. The marker on the pedal (item A) is aligned with the marker on the octagonal sleeve (item B).
2. Remove the sleeve (B). Rotate the sleeve counterclockwise to increase the pedal locking force and clockwise to decrease the locking force. Insert the sleeve into the pedal. Reinstall the screw.
3. Test the pedal locking force and verify it holds properly before returning the chair to service.

NOTE

If, after adjustment, the pedal still doesn't hold the wheel properly, replace the wheel.

USING THE HEAD SUPPORT



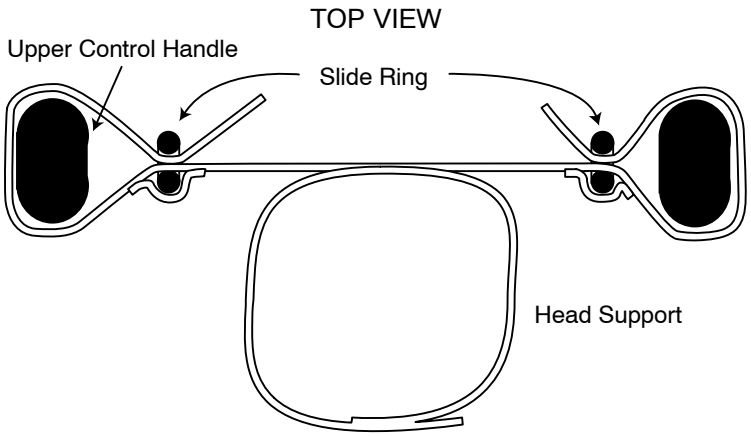


Figure 33, 34 & 35 – Attaching and using the head support

WARNING

The Stryker EMS Evacuation Chair is not recommended for use with suspected cervical, spinal, or fracture injuries.

Before using the head support, the upper control handle must be extended. First, pull the red upper control handle release cable with one hand. Then, pull up on the handle with the other hand. Release the cable and verify the handle is securely locked into position.

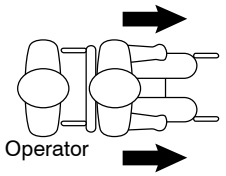
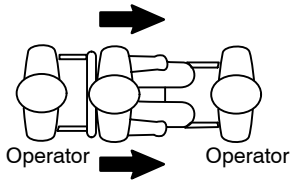
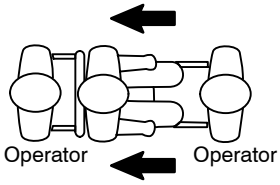
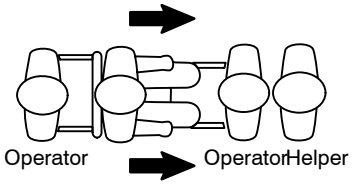
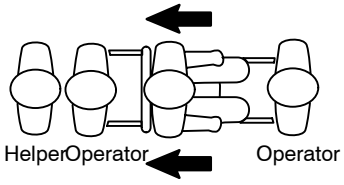
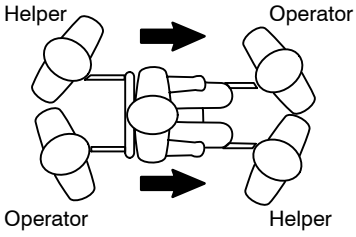
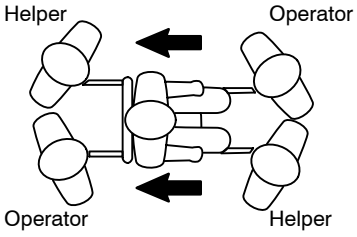
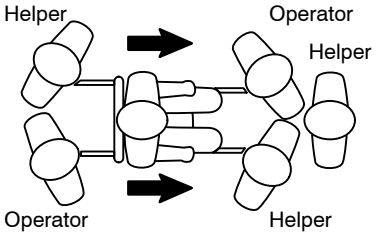
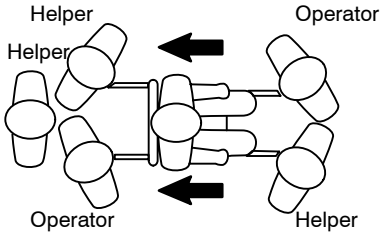
To attach the head support to the extendable upper control handle, wrap the loose ends of the strap around the vertical portions of the handle, then feed them through the plastic loops. Pull tight, and secure the strap to itself. Adjust the height by loosening the strap, moving it to the desired location, and tightening it again.

To support the passenger's head, position at the base of the head. For passengers with compromised head control, secure the head using the other two parts of the strap. Wrap around the passenger's head, and overlap the straps to the desired tightness to secure. When not in use, these straps can be wrapped back around the handle and attached to the back of the support.

USING ADDITIONAL ASSISTANCE

WARNING

To avoid injury, when a passenger weighing more than 200 pounds is on the chair, use a minimum of two operators to transport on stairs.

	Down Stairs	Up Stairs
One Operator		
Two Operators		
Two Operators One Helper		
Two Operators Two Helpers		
Two Operators Three Helpers		

INSTALLING THE OPTIONAL WALL STORAGE BRACKET

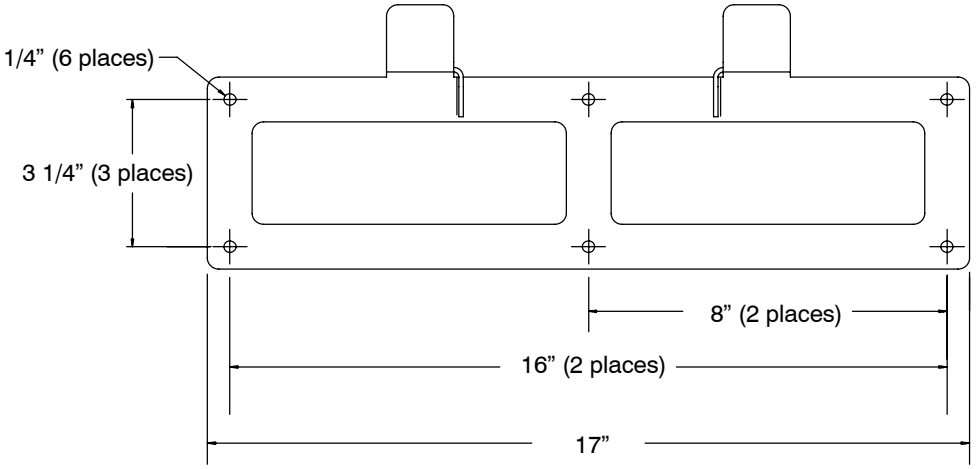


Figure 37 – Storage bracket dimensions

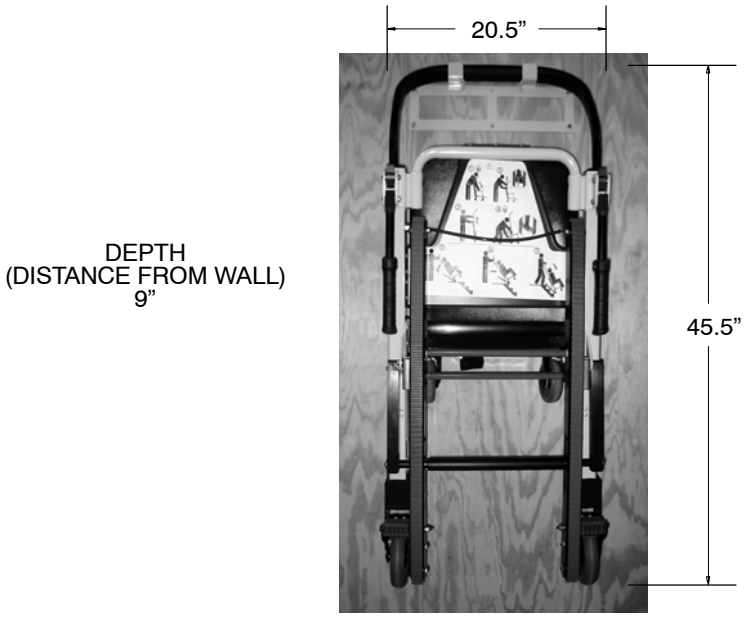


Figure 38 – Chair stored on the bracket

1. Use the bracket as a template to mark the location of the mounting holes at the area where the wall bracket will be installed. Consider the dimensions of the chair when selecting and marking the location.
2. Using fasteners (not supplied) appropriate for the wall type, install the bracket, using *at least* four of the mounting holes.
3. Hang the chair from the bracket using the upper control handle.

INSTALLING AND REMOVING THE OPTIONAL COVER

Figure 39 – Slip the bottom pocket over the wheels

Figure 40 – Cover fully installed on the chair

NOTE

It is easiest to install the cover when the chair is hanging.

To install the optional vinyl cover:

1. Slip the bottom pocket over the wheels.
2. Wrap the side flaps around the chair frame.
3. Pull the top flap down between the bars of the upper control handle and over the head support strap.
4. Attach the Velcro strips.
5. Attach the red handle strip to the Velcro on the front of the cover.

To remove the optional vinyl cover:

1. Pull the red handle strip and allow the cover to drop off the chair.

Cleaning

The Model 6253 Evacuation Chair is designed to be power−washable. The unit may show some signs of oxidation or discoloration from continuous washing, however, no degradation of the chair's performance characteristics or functionality will occur due to power washing as long as the proper procedures are followed.

Washing Procedure:

- Follow the cleaning solution manufacturer's dilution recommendations exactly.
- The preferred method Stryker EMS recommends for power washing the Evacuation Chair is with the standard hospital surgical cart washer or hand held wand unit.

Washing Limitations:

DO NOT STEAM CLEAN OR ULTRASONICALLY CLEAN THE UNIT.

Maximum water temperature of 180°F/82°C.

Maximum air dry temperature (cart washers) is 240°F/115°C.

Maximum water pressure − 1500 psi/130.5 bar. If a hand held wand is being used to wash the unit, the pressure nozzle must be kept a minimum of 24 inches/61 centimeters from the unit.

Failure to comply with these instructions may invalidate any/all warranties.

If a foreign material gets between the Stair−TREAD™ belt and track frame, the track frame must be cleaned.

1. Loosen the belts and remove the rear wheels.
2. Clean the track frame completely with rubbing alcohol.
3. Use water at high pressure (see above) to rinse the belts.
4. Allow the belts to dry and reassemble them.
5. If performance does not return to normal, the belts may need to be reconditioned or replaced.

In general, when used in those concentrations recommended by the manufacturer, either phenolic type or quaternary type disinfectants can be used. Iodophor type disinfectants are not recommended for use because staining may result. The following products have been tested and have been found not to have a harmful effect WHEN USED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDED DILUTION.*

TRADE NAME	DISINFECTANT TYPE	MANUFACTURER	*MANUFACTURER'S RECOMMENDED DILUTION
A33	Quaternary	Airwick (Professional Products Division)	2 ounces/gallon
A33 (dry)	Quaternary	Airwick (Professional Products Division)	1/2 ounce/gallon
Beaucoup	Phenolic	Huntington Laboratories	1 ounce/gallon
Blue Chip	Quaternary	S.C. Johnson	2 ounces/gallon
Elimstaph	Quaternary	Walter G. Legge	1 ounce/gallon
Franklin Phenomysan F2500	Phenolic	Purex Corporation	1 1/4 ounce/gallon
Franklin Sentinel	Quaternary	Purex Corporation	2 ounces/gallon
Galahad	Phenolic	Puritan Churchill Chemical Company	1 ounce/gallon
Hi–Tor	Quaternary	Huntington Laboratories	1/2 ounce/gallon
LPH	Phenolic	Vestal Laboratories	1/2 ounce/gallon
Matar	Phenolic	Huntington Laboratories	1/2 ounce/gallon
Omega	Quaternary	Airwick (Professional Products Division)	1/2 ounce/gallon
Quanto	Quaternary	Huntington Laboratories	1 ounce/gallon
Sanikleen	Quaternary	West Chemical Products	2 ounces/ gallon
Sanimaster II	Quaternary	Service Master	1 ounce/gallon
Vesphene	Phenolic	Vestal Laboratories	1 1/4 ounce/ gallon

Quaternary Germicidal Disinfectants, used as directed, and/or Chlorine Bleach products, typically 5.25% Sodium Hypochlorite in **dilutions ranging between 1 part bleach to 100 parts water, and 2 parts bleach to 100 parts water are not considered mild detergents.** These products are corrosive in nature and may cause damage to your equipment if used improperly. If these types of products are used to clean Stryker equipment, measures must be taken to insure the units are rinsed with clean water and thoroughly dried following cleaning. Failure to properly rinse and dry the units will leave a corrosive residue on the surface of the unit, possibly causing premature corrosion of critical components.

NOTE
Failure to follow the above directions when using these types of cleaners may void this product's warranty.

Preventative Maintenance

Operation	Schedule	Procedure
Cleaning & Disinfecting	Each use.	See page 26.
Inspection	For 0–25 uses per month, inspect chair every 6 months. For 26–200 uses per month, inspect chair every 3 months. For 201+ uses per month, inspect chair monthly.	See below for checklist.

NOTE
Keep up–to–date maintenance records using the form on page 33.

Parts, Service or Technical Assistance:

Contact Stryker Customer Service at 1–800–327–0770 or
Stryker Medical
6300 S. Sprinkle Road
Kalamazoo, MI 49001
ATTN: Customer Service

CHECKLIST

_____ All fasteners secure (reference all assembly drawings)
_____ All welds intact, not cracked or broken
_____ No bent or broken tubing or sheet metal
_____ No debris in wheels
_____ All wheels secure and rolling properly
_____ Front casters secure, rolling and swiveling properly (if equipped)
_____ Wheel locks hold wheels securely when on and clear the wheels when off
_____ Chair unfolds and locks properly
_____ No cracks in seat or back rest
_____ Restraint straps intact and working properly
_____ Foot end carrying handles extend and lock properly
_____ Head end carrying handles fold and unfold
_____ Upper control handle extends and locks in position
_____ Stair–TREAD™ mechanism unfolds and locks properly
_____ Stair–TREAD™ belts roll properly
_____ Stair–TREAD™ belt inner cords not showing – replace if necessary
_____ Stair–TREAD™ performs as desired – recondition belts if necessary (see page 31)
_____ Upper release handle cable not worn or frayed – replace, if necessary
_____ Optional accessories intact and operating properly

Serial No._____

Completed By:_____ Date:_____

UPPER CONTROL HANDLE CABLE REPLACEMENT

Required Tools:

5/8” Wrench

1. Pull the cable and raise the extendable upper control handle to the fully extended position.

Figure 41 – Raise the extendable handle

2. Using a 5/8” wrench, remove one side of the cable.

Figure 42 – Remove one side of the cable

3. Place the washer on the end of the new cable.

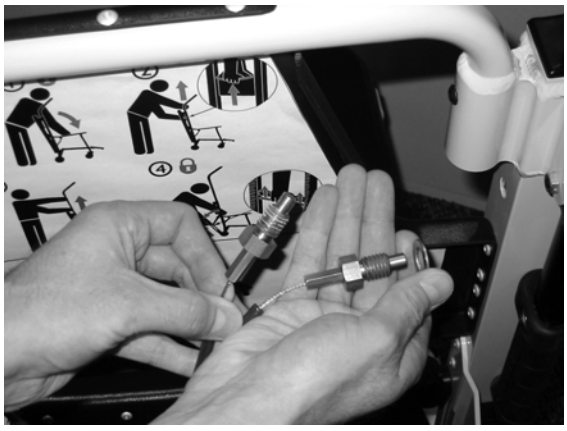


Figure 43 – Place the washer on the new cable

UPPER CONTROL HANDLE CABLE REPLACEMENT (CONTINUED)

4. Using a 5/8” wrench, attach one side of the new cable to the chair frame in the hole where the old cable was removed.

5. Repeat steps 2–4 for the other end of the cable.

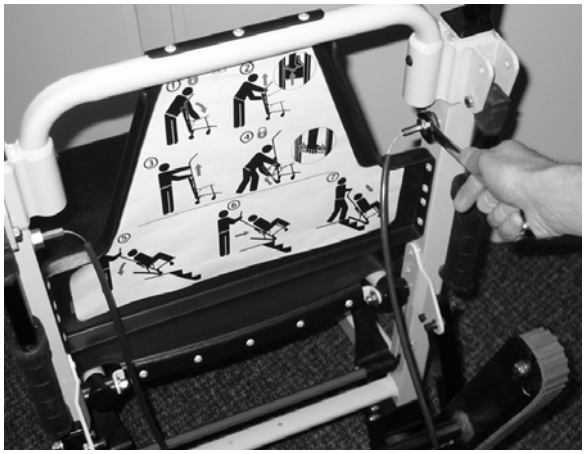


Figure 44 – Attach one side of the new cable

RUGGED™ TRACK BELT RECONDITIONING

Required Tools:

(2) 7/16" Wrenches	Permanent Marker
50 Grit Sandpaper	Sanding Block

1. Extend the upper control handle, open the Stair–TREAD™ tracks and tip the chair forward until it rests on the handle and the seat section as shown in Figure 44.

Figure 45 – Tip the chair forward

2. Using two 7/16" wrenches, remove the hex head bolt, hex nut, two washers, spacer and wheel from both sides of the track frame. Remove the wheel and spacer down in the direction of the floor.

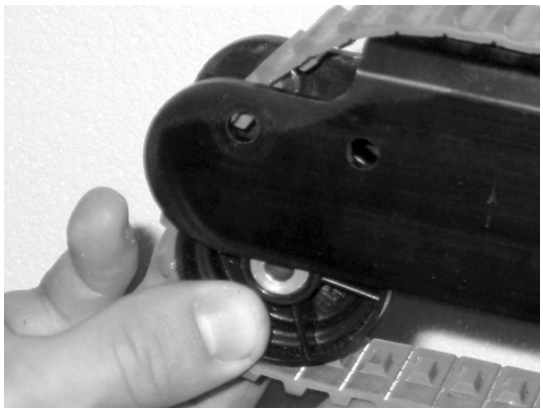


Figure 46 – Remove the wheel and spacer in the direction of the floor

3. Turn both belts over so the small internal teeth are on the outside. Put the belts on the track frame for support while sanding them.

NOTE

New track belts must be installed if the inner cords are exposed on the wear surfaces.

4. For a start/end point reference while sanding, use a permanent marker to color a tooth on the belt.

Figure 47 – Mark a belt tooth for reference

RUGGED™ TRACK BELT RECONDITIONING (CONTINUED)

5. Using a sanding block with **50 Grit** sandpaper, sand both wear surfaces on the outside edges of each belt. The purpose is to roughen the surface of the belt just enough to remove the shiny spots caused by normal wear. Do not over–sand the belts.

WARNING

Do not sand the track teeth. Deformation of the teeth can cause unpredictable chair performance resulting in injury to the operators and/or passenger.

Figure 48 – Sand the wear surface

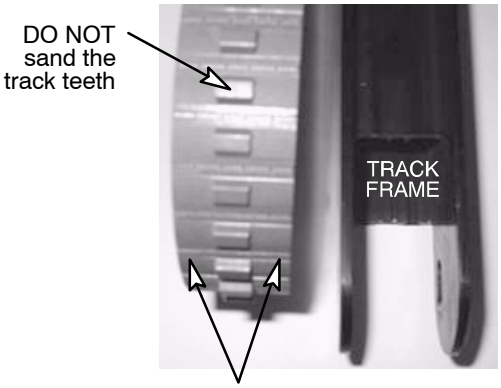


Figure 49 – Belt sanding surface

6. Remove all sanding debris from the belts and the track frame.
7. Turn both belts back over so the large teeth are on the outside.
8. Replace the hex head bolt, hex nut, two washers, spacer and wheel on both sides of the track frame.

Figure 50 – Use wrenches to apply tension to the belt

9. Use two 7/16” wrenches to apply the desired tension to each belt and tighten securely.

NOTE

To check the tension, pull up on the center of the belt until it is taut. The gap between the belt and the track frame should measure between 3/8” and 1” as shown in Figure 50.

10. Spin the belts to verify they roll freely.

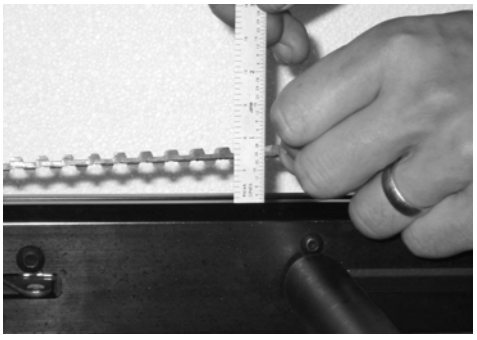


Figure 51 – Proper belt tension

Maintenance Record

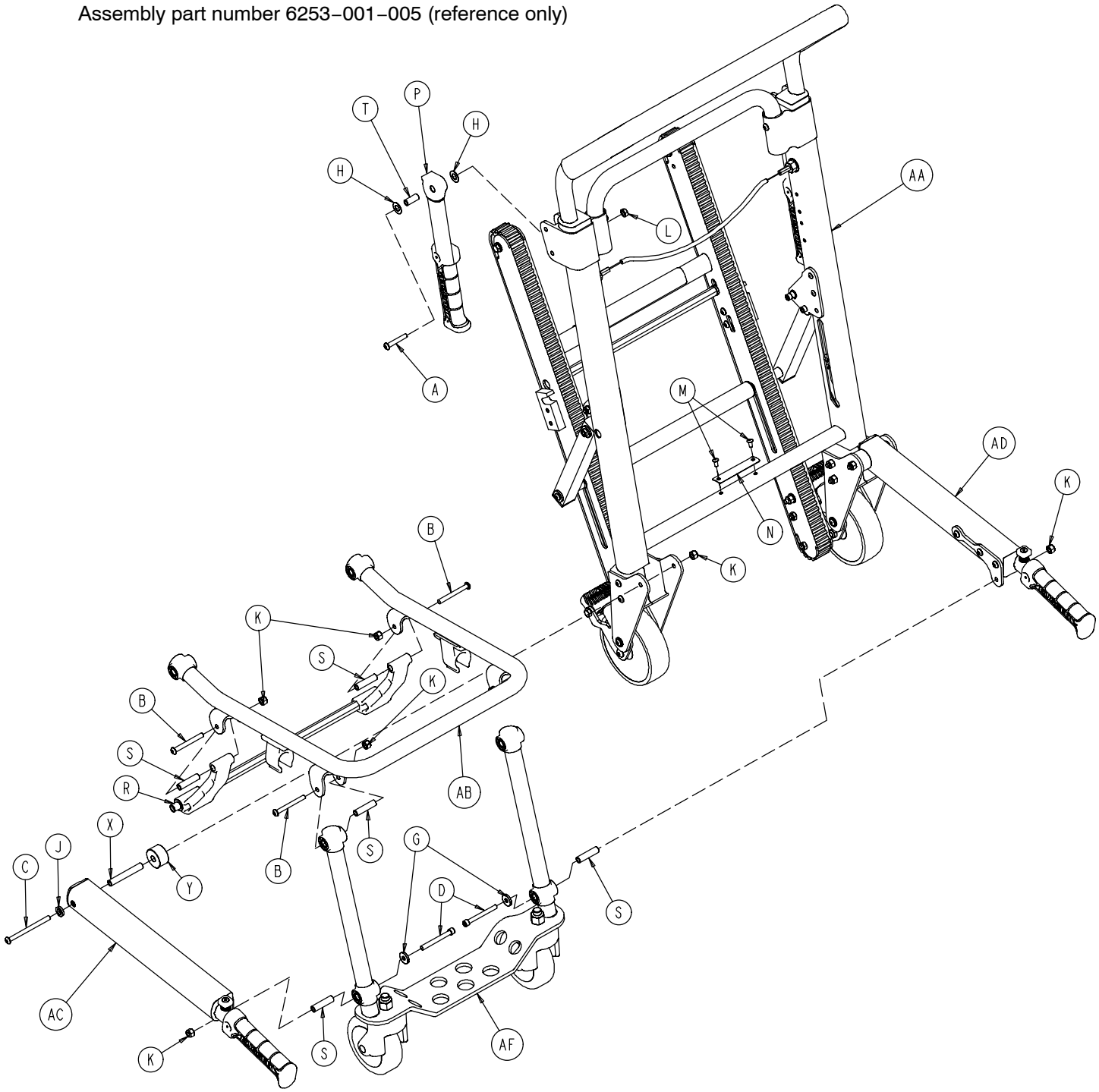
Date	Maintenance Operation Performed	By

Training Record

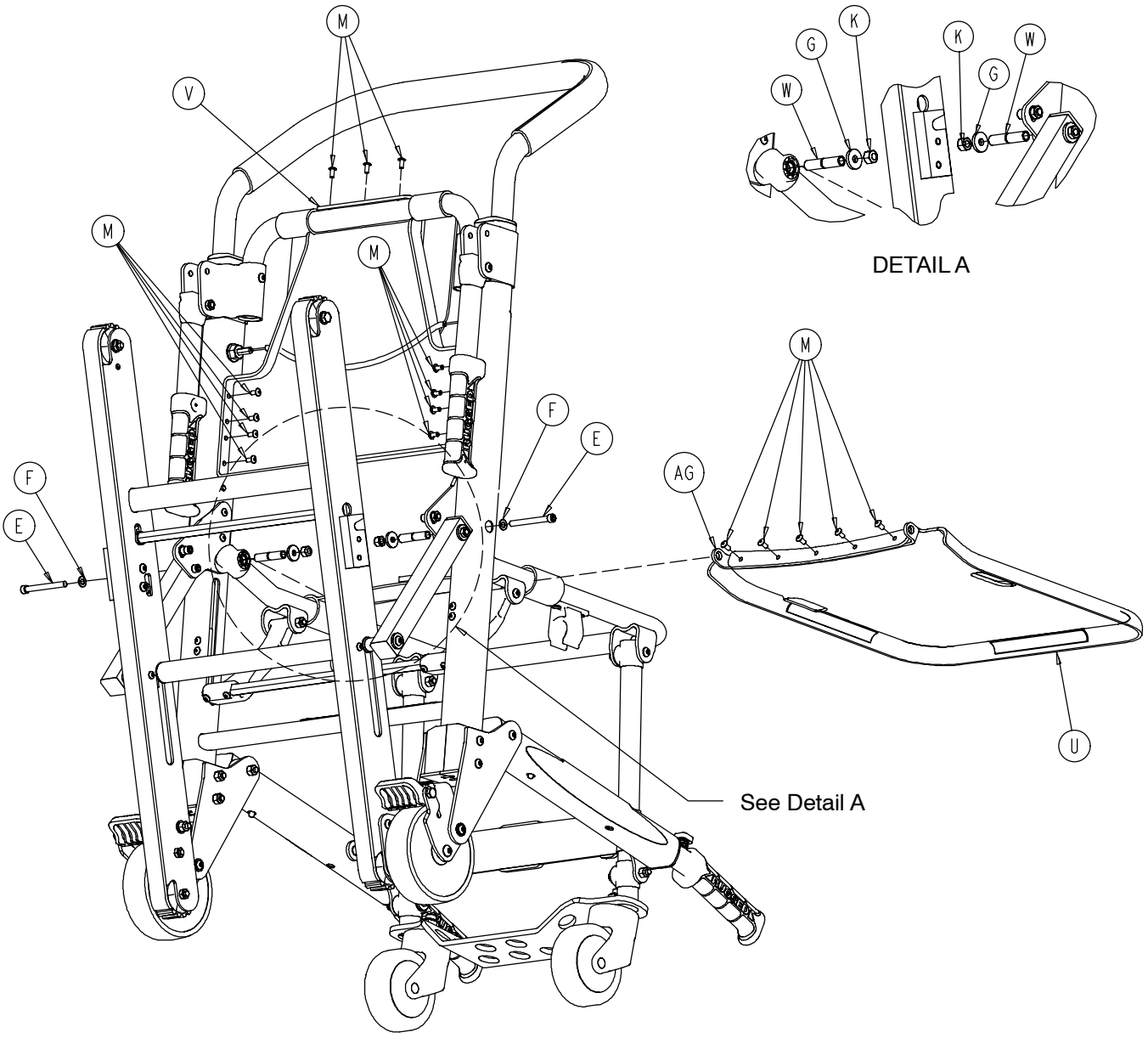
	Training Date		Training Method
Trainee Name	**Basic Training**	**Refresher Update**	**Owner's Manual, In−Service, Formal Class, Etc.**

Chair Assembly

Assembly part number 6253−001−005 (reference only)

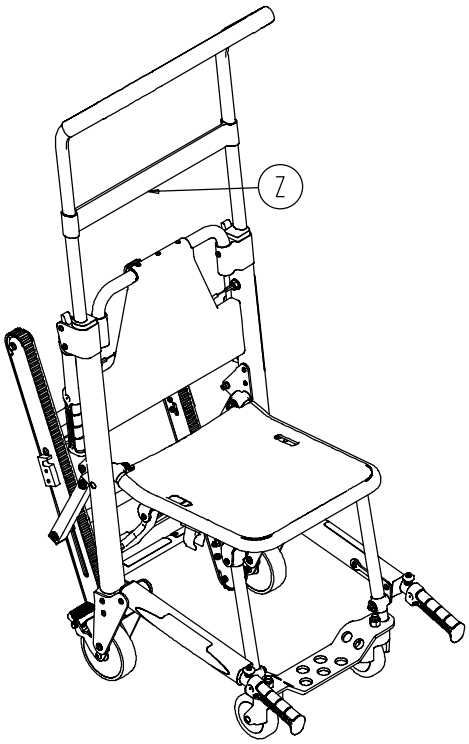


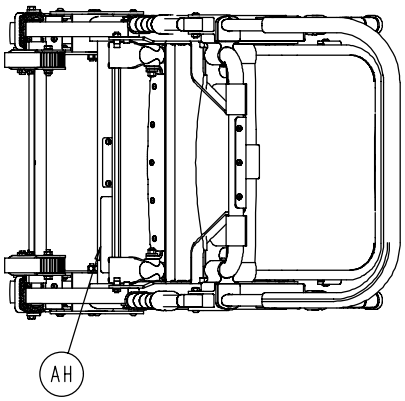
Chair Assembly

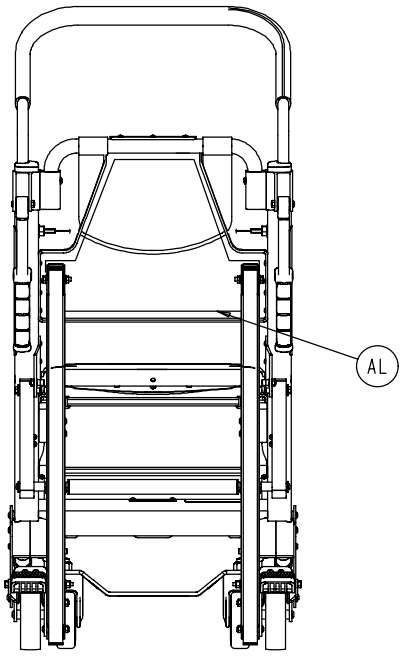


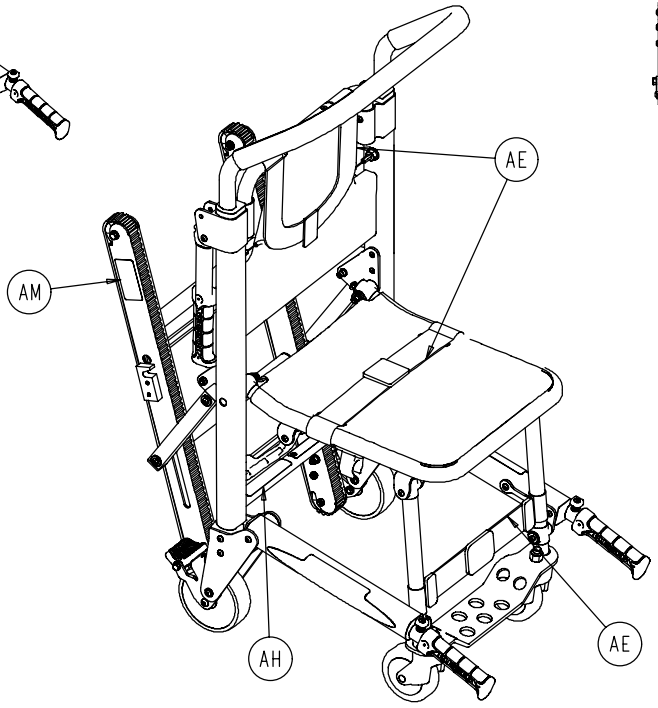
DETAIL A

Chair Assembly





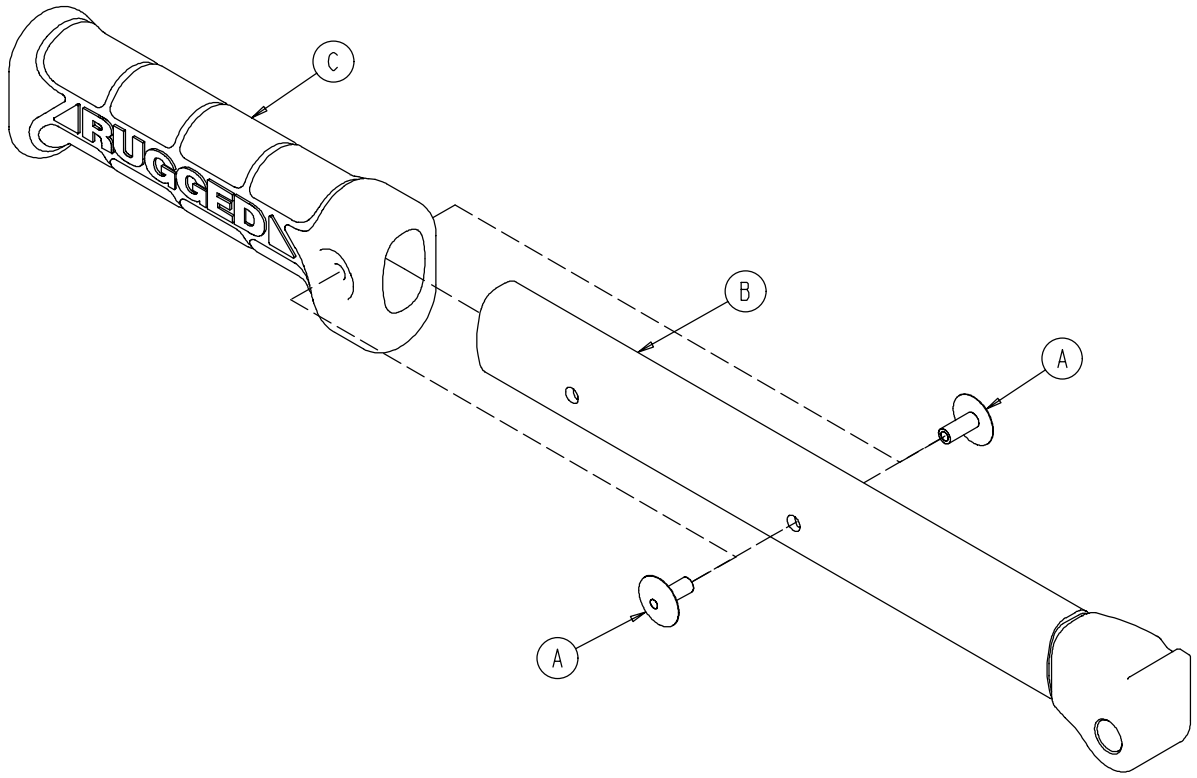




Chair Assembly

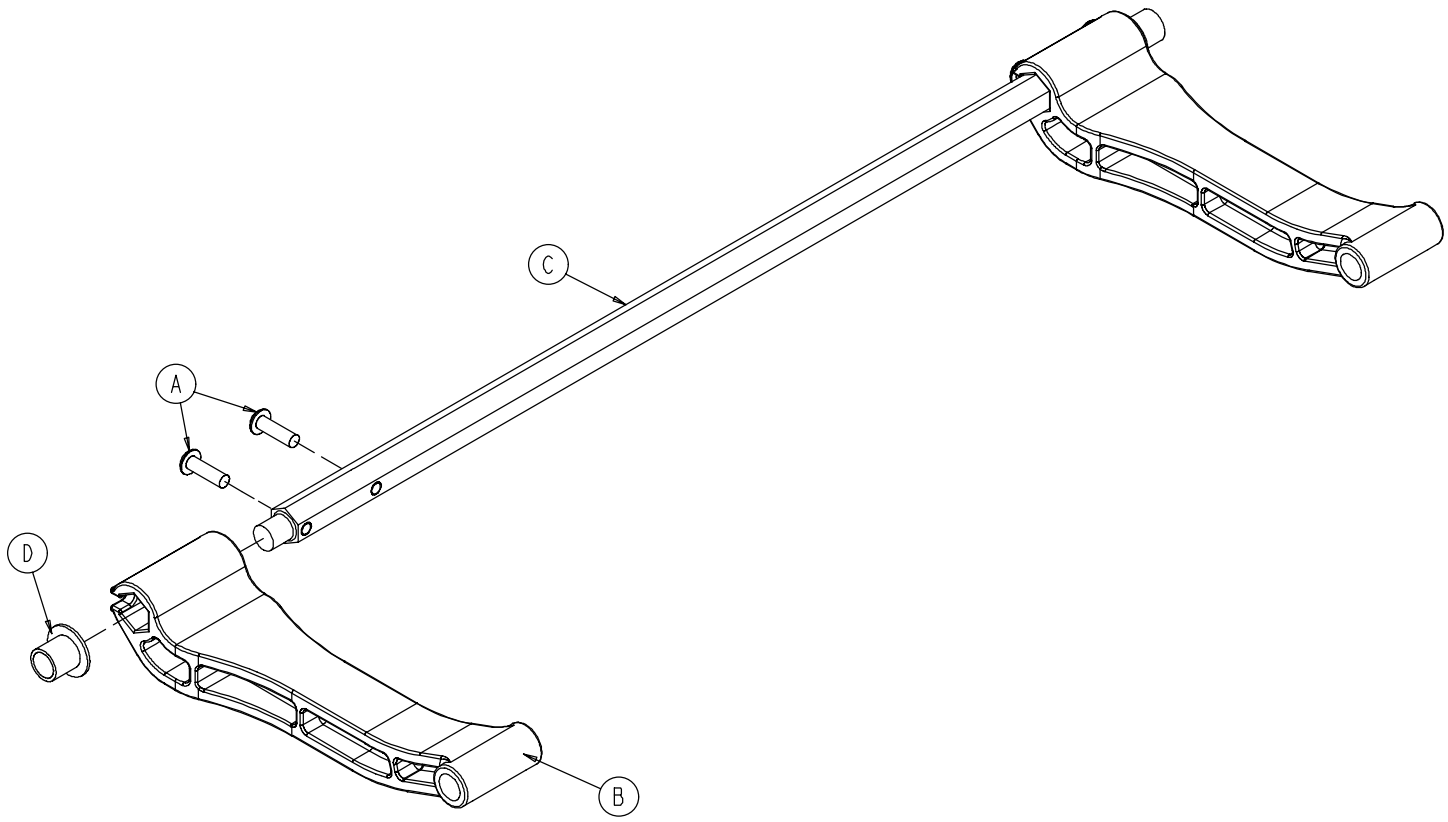
Item	Part No.	Part Name	Qty.
A	0004–135–000	Button Hd. Cap Screw	2
B	0004–163–000	Button Hd. Cap Screw	4
C	0004–218–000	Button Hd. Cap Screw	2
D	0004–516–000	Soc. Hd. Cap Screw	2
E	0004–517–000	Soc. Hd. Cap Screw	2
F	0011–064–000	Washer	2
G	0011–159–000	Washer	4
H	0014–020–000	Washer	4
J	0014–099–000	Washer	2
K	0016–028–000	Hex Lock Nut	10
L	0016–078–000	Centerlock Hex Jam Nut	2
M	0025–172–000	Blind Rivet	18
N	6060–090–002	Serial No. Tag	1
P	(page 39)	Flip–Up Handle Assembly	2
R	(page 40)	Lock Mechanism Assembly	1
S	6250–001–098	Pivot Spacer	6
T	6250–001–111	Flip–Up Handle Pivot Spacer	2
U	6250–001–115	Plastic Seat	1
V	6250–001–116	Plastic Back Rest	1
W	6250–001–128	Pivot Spacer	2
X	6250–001–129	Pivot Spacer	2
Y	6250–001–133	Ext. Handle Locator Spacer	2
Z	6252–001–122	Head Support	1
AA	(page 41)	Frame Assembly	1
AB	(page 49)	Seat Section Assembly	1
AC	(page 50)	Extension Handle, Right	1
AD	(page 51)	Extension Handle, Left	1
AE	6253–001–018	Restraint Strap Set	1
AF	(page 52)	Foot Support Assembly	1
AG	6253–001–099	Seat Support Bracket	1
AH	6253–001–137	Specification Label	1
AJ	6253–001–154	Evacuation Chair Label	2
AL	6253–001–156	Instruction Label	1
AM	6252–001–139	“Do Not Lubricate” Label	2

6250−001−016 Flip−Up Handle Assembly



Item	Part No.	Part Name	Qty.
A	0025−132−000	Blind Rivet	2
B	6250−001−052	Handle Weldment	1
C	6250−001−089	Hand Grip	1

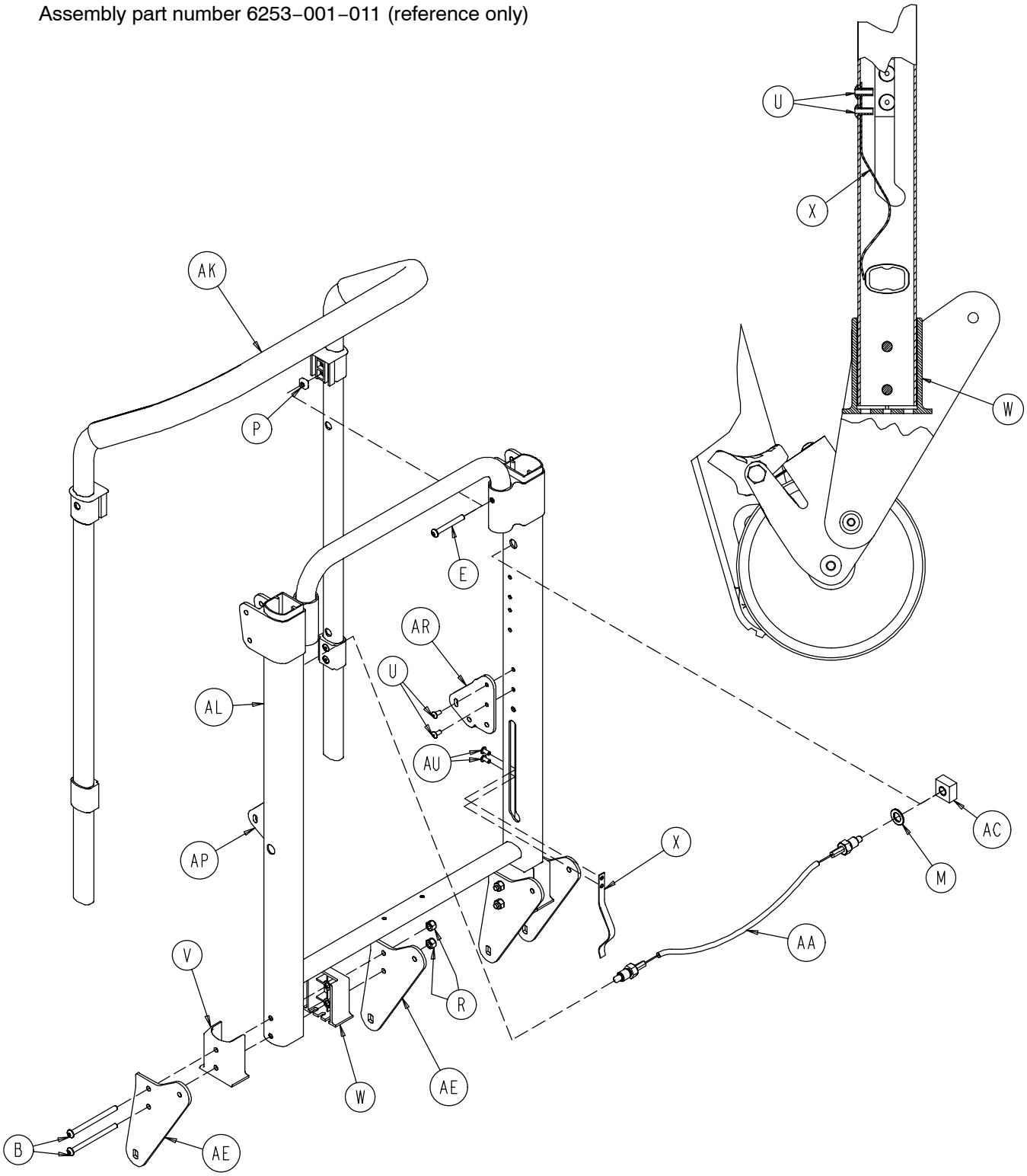
6250–001–017 Lock Mechanism Assembly



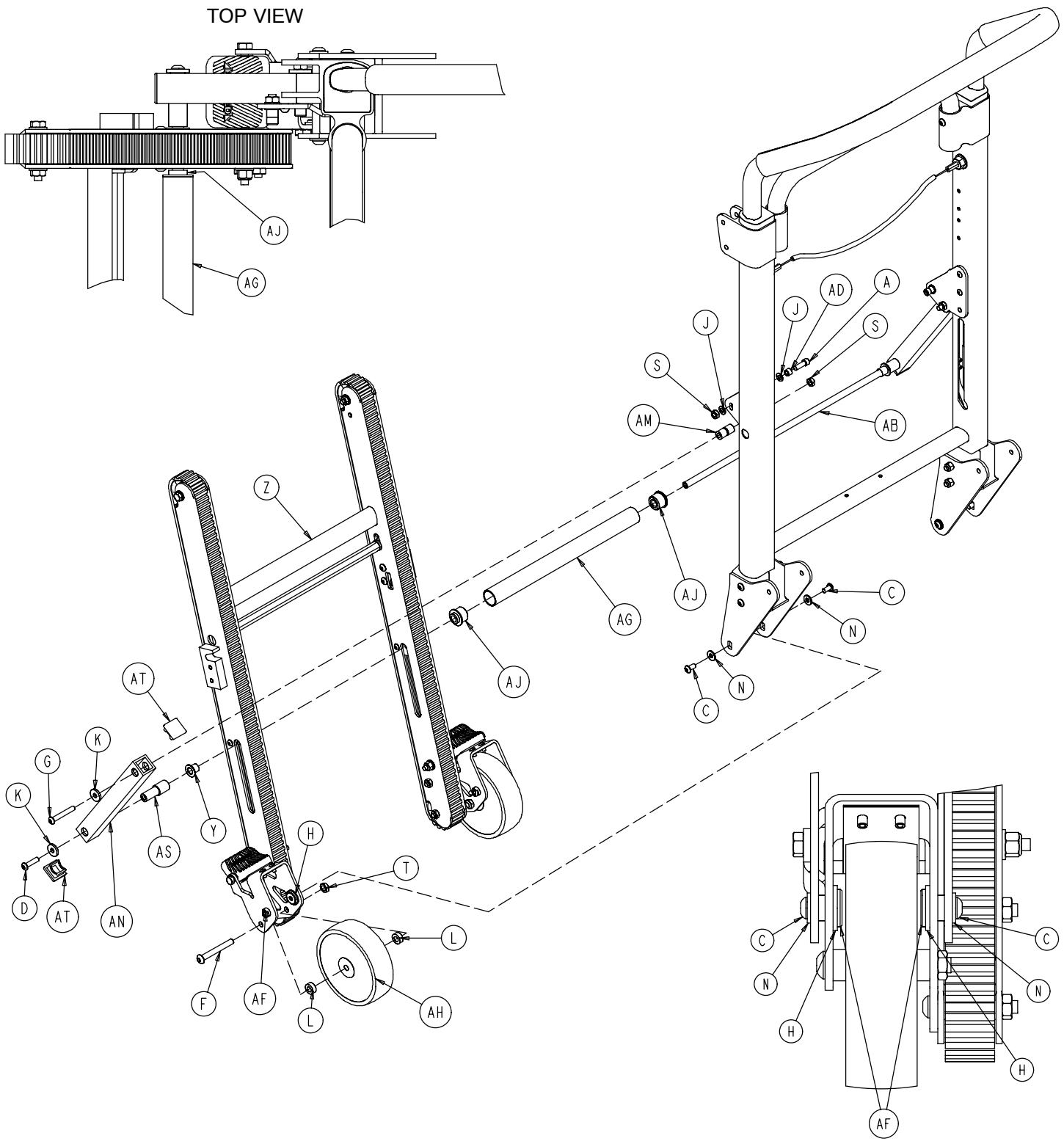
Item	Part No.	Part Name	Qty.
A	0004–515–000	Button Hd. Cap Screw	4
B	6250–001–094	Lock Mechanism Strut	2
C	6250–001–095	Cross Bar	1
D	6250–001–124	Flange Bearing	2

Main Frame Assembly

Assembly part number 6253–001–011 (reference only)



Main Frame Assembly

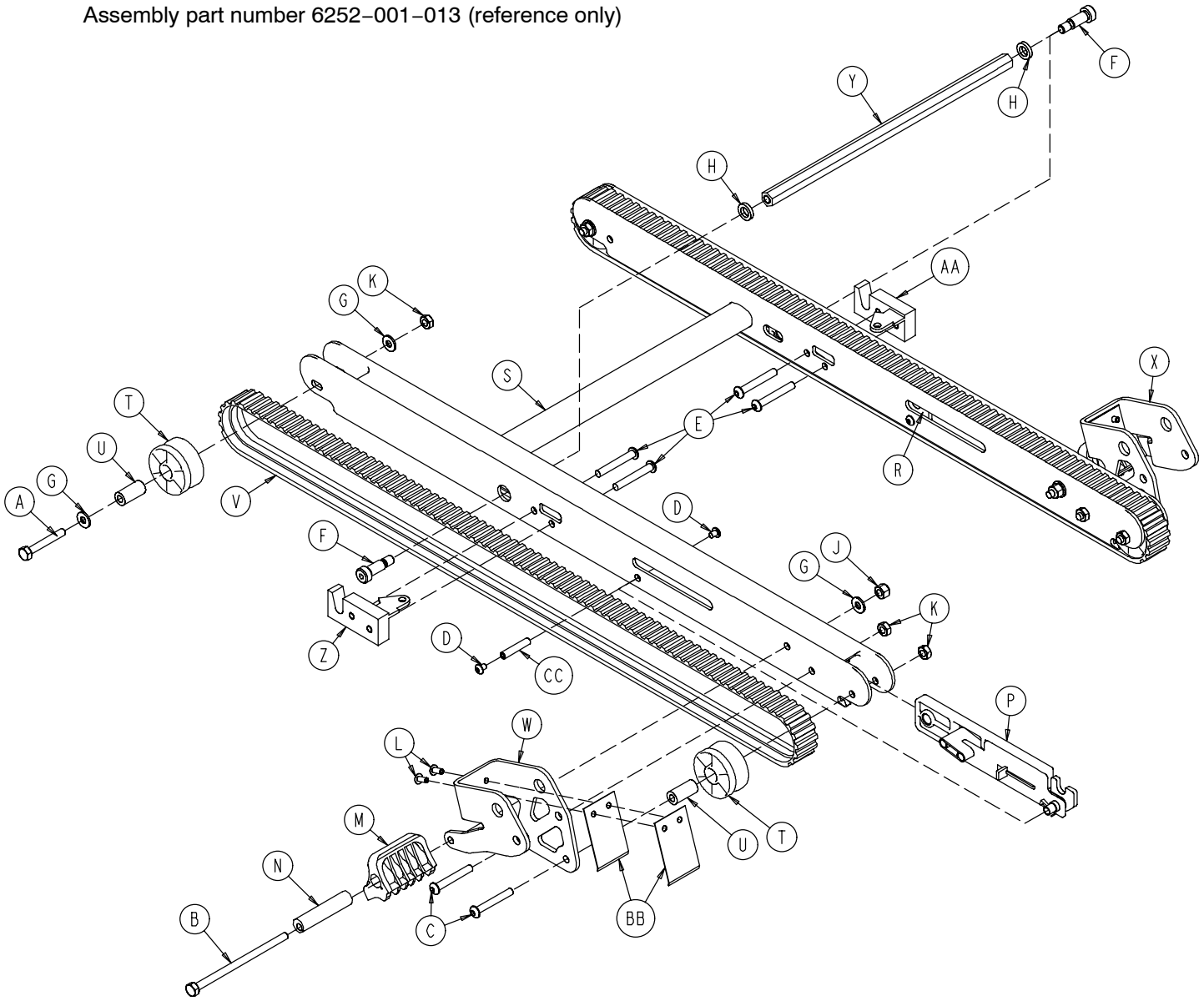


Main Frame Assembly

Item	Part No.	Part Name	Qty.
A	0004–090–000	Socket Head Cap Screw	2
B	0004–218–000	Button Head Cap Screw	4
C	0004–325–000	Button Head Cap Screw	4
D	0004–334–000	Button Head Cap Screw	2
E	0004–511–000	Button Head Cap Screw	2
F	0004–512–000	Button Head Cap Screw	2
G	0004–204–000	Button Head Cap Screw	2
H	0011–045–000	Washer	4
J	0011–064–000	Washer	4
K	0011–159–000	Washer	4
L	0011–423–000	Spacer	4
M	0011–455–000	Washer	2
N	0011–456–000	Washer	4
P	0015–016–000	Square Nut	2
R	0016–028–000	Nylock Nut	4
S	0016–078–000	Centerlock Hex Jam Nut	4
T	0016–316–000	Centerlock Hex Jam Nut	2
U	0025–172–000	Blind Rivet	4
V	6250–001–102	Wheel Supt. Outer Spacer	2
W	6250–001–103	Wheel Supt. Inner Spacer	2
X	6250–001–118	Lock Retaining Spring	2
Y	6250–001–124	Flange Bearing	2
Z	(page 44)	Track Frame Assembly	1
AA	(page 47)	Cable & Pin Assembly	1
AB	6252–001–089	Track Support Cross Bar	1
AC	6252–001–094	Upper Ext. Handle Dead Stop	2
AD	6252–001–096	Track Lock Post	2
AE	6252–001–104	Wheel Support	4
AF	6252–001–106	Track Spacer Pivot	4
AG	6252–001–113	Track Spacer Tube	1
AH	6252–001–114	5” Wheel	2
AJ	6252–001–120	Track Spacer Sleeve	2
AK	(page 48)	Upper Extension Handle	1
AL	6253–001–055	Frame Weldment	1
AM	6253–001–084	Track Belt Roller Spacer	2
AN	6253–001–088	Track Support Strut	2
AP	6253–001–124	Track Supt. Offset Bracket	1
AR	6253–001–125	Track Supt. Offset Bracket	1
AS	6253–001–150	Strut Spacer	2
AT	6253–001–152	Cap	4
AU	0025–079–000	Rivet	4

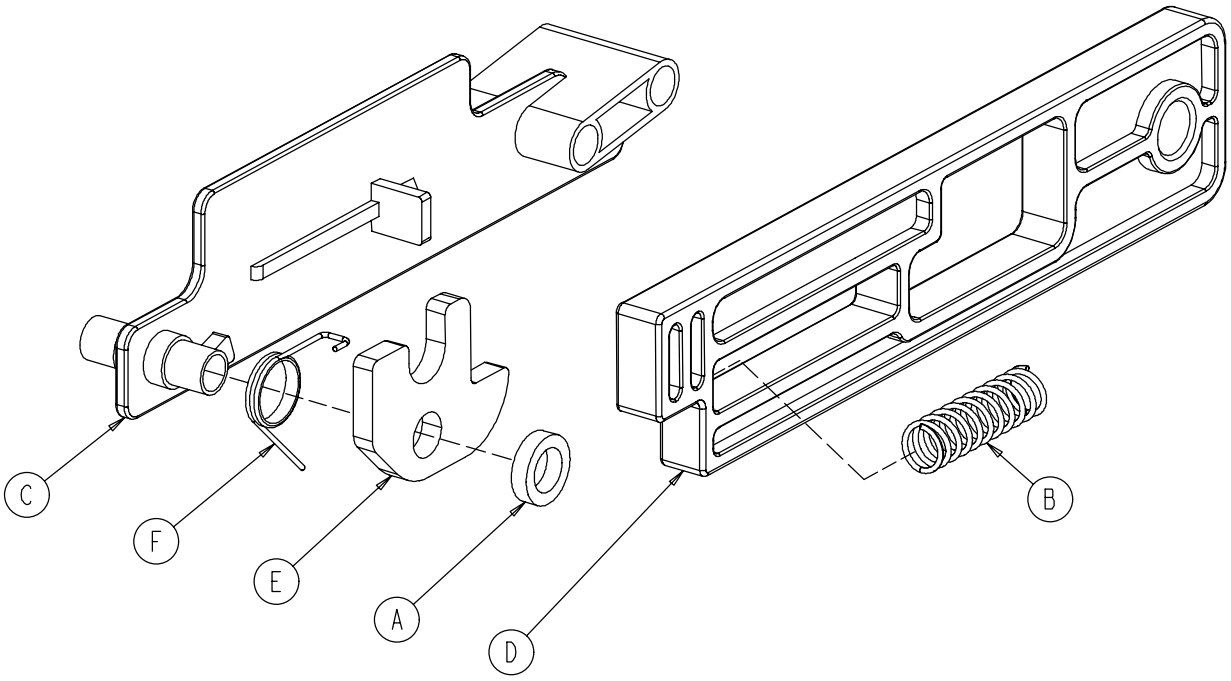
Track Frame Assembly

Assembly part number 6252–001–013 (reference only)



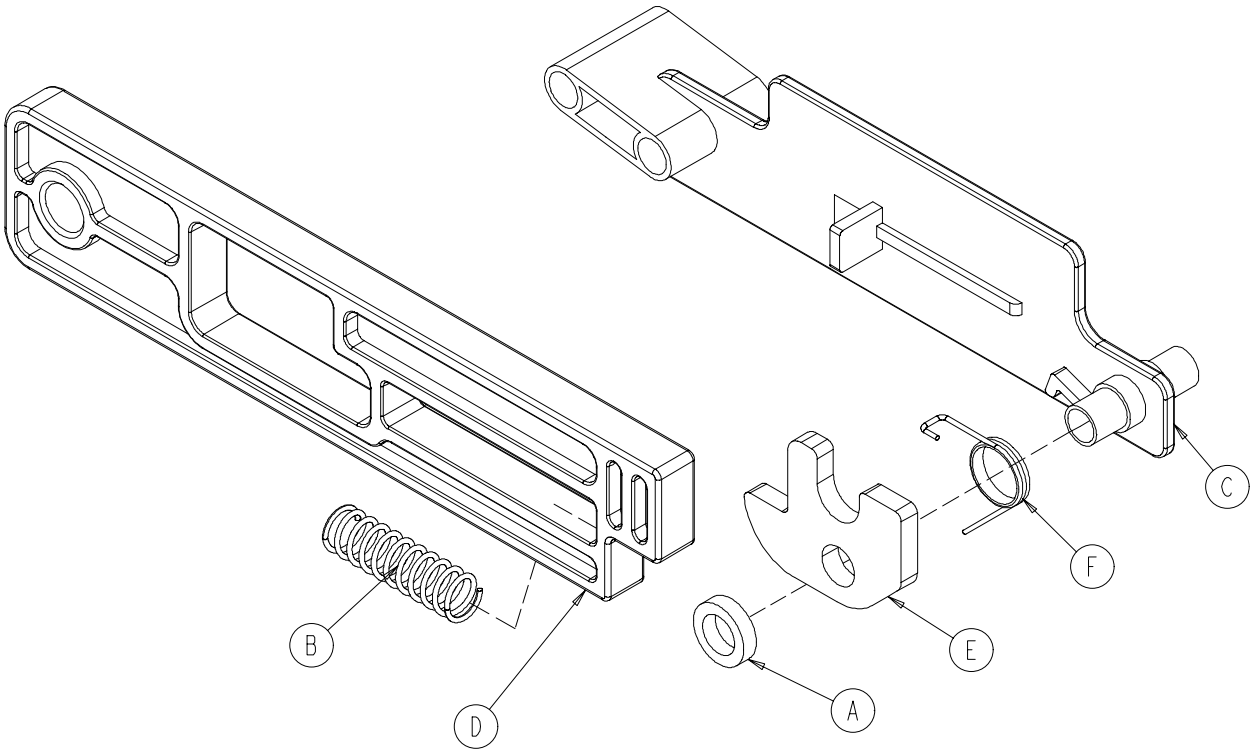
Item	Part No.	Part Name	Qty.	Item	Part No.	Part Name	Qty.
A	0003–359–000	Hex Hd. Cap Screw	2	P	(page 45)	Internal Lock Latch Ass'y	1
B	0003–365–000	Hex Hd. Cap Screw	2	R	(page 46)	Internal Lock Latch Ass'y	1
C	0004–204–000	But. Hd. Cap Screw	4	S	6252–001–050	Track Frame Weldment	1
D	0004–483–000	But. Hd. Cap Screw	4	T	6252–001–083	Track Belt Roller	4
E	0004–503–000	But. Hd. Cap Screw	4	U	6252–001–084	Track Belt Roller Spacer	4
F	0008–063–000	Soc. Hd. Cap Screw	2	V	6252–001–085	Track Belt	2
G	0011–456–000	Washer	6	W	6252–001–102	Wheel Support	1
H	0014–099–000	Washer	2	X	6252–001–103	Wheel Support	1
J	0016–028–000	Hex Nut	2	Y	6252–001–105	Lock Mechanism Cross Bar	1
K	0016–078–000	Centerlock Hex Nut	6	Z	6252–001–110	Latch	1
L	0025–172–000	Blind Rivet	4	AA	6252–001–111	Latch	1
M	6080–200–030	Brake Pedal	2	BB	6252–001–112	Brake Spring	4
N	6080–200–041	Hex Sleeve	2	CC	6252–001–121	Support Track Cross Bar	2

6252–001–014 Internal Latch Assembly



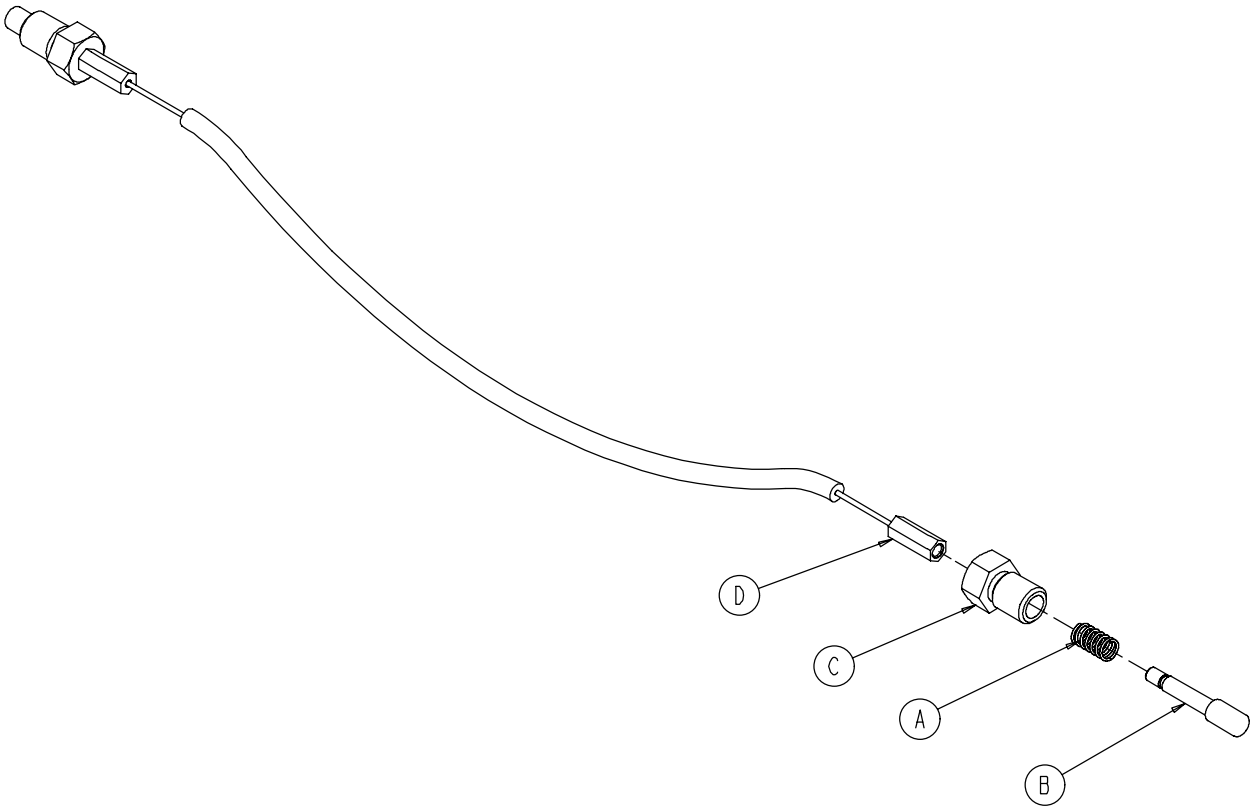
Item	Part No.	Part Name	Qty.
A	0014–098–000	Washer	1
B	0038–506–000	Compression Spring	1
C	6252–001–097	Latch Retainer Block	1
D	6252–001–098	Latch Slide Release	1
E	6252–001–099	Track Latch Lock	1
F	6252–001–101	Spring	1

6252–001–015 Internal Latch Assembly



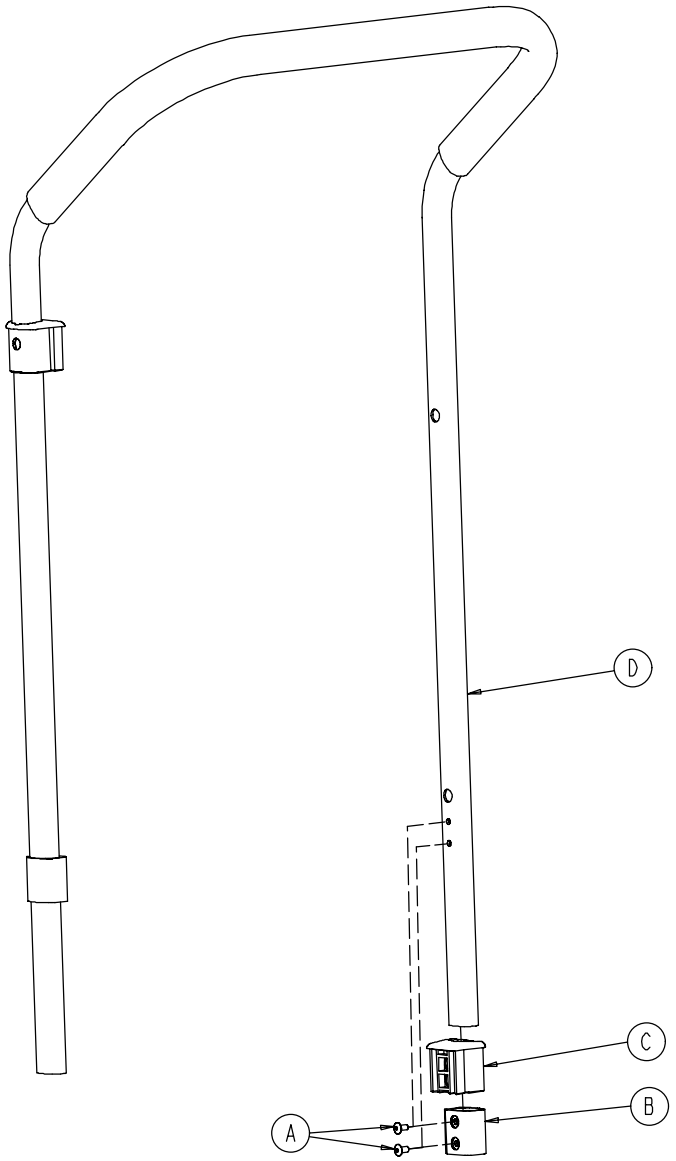
Item	Part No.	Part Name	Qty.
A	0014–098–000	Washer	1
B	0038–506–000	Compression Spring	1
C	6252–001–097	Latch Retainer Block	1
D	6252–001–098	Latch Release Slide	1
E	6252–001–099	Track Latch Lock	1
F	6252–001–100	Spring	1

6252–001–016 Cable and Pin Assembly



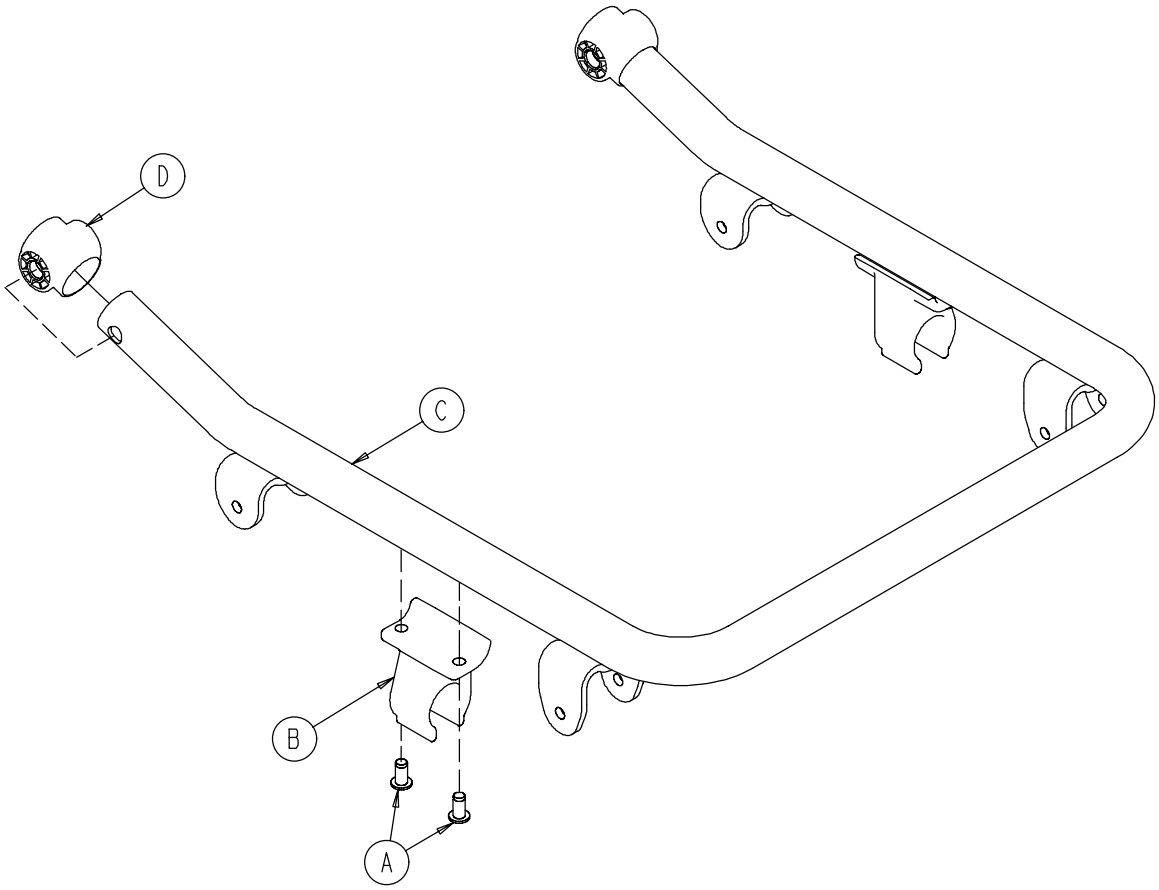
Item	Part No.	Part Name	Qty.
A	0038–507–000	Compression Spring	2
B	6252–001–115	Pull Pin	2
C	6252–001–116	Pull Pin Bolt	2
D	6252–001–119	Cable	1

6253–001–012 Upper Control Handle Assembly



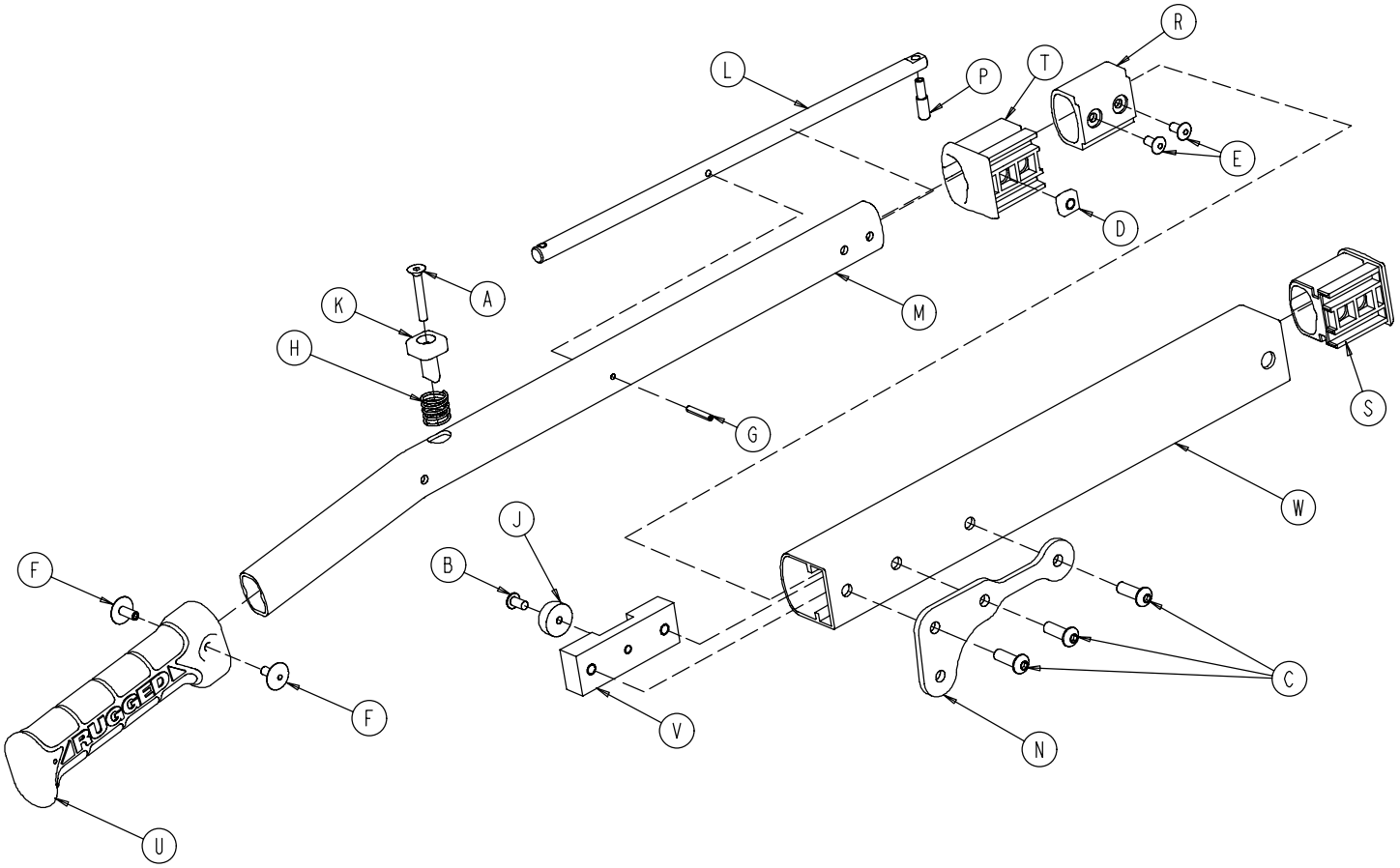
Item	Part No.	Part Name	Qty.
A	0025–079–000	Blind Rivet	4
B	6250–001–085	Internal Slide Bushing	2
C	6250–001–087	Outer Ext. Handle Bushing	2
D	6253–001–090	Upper Internal Handle	1

6253–001–013 Seat Section Assembly



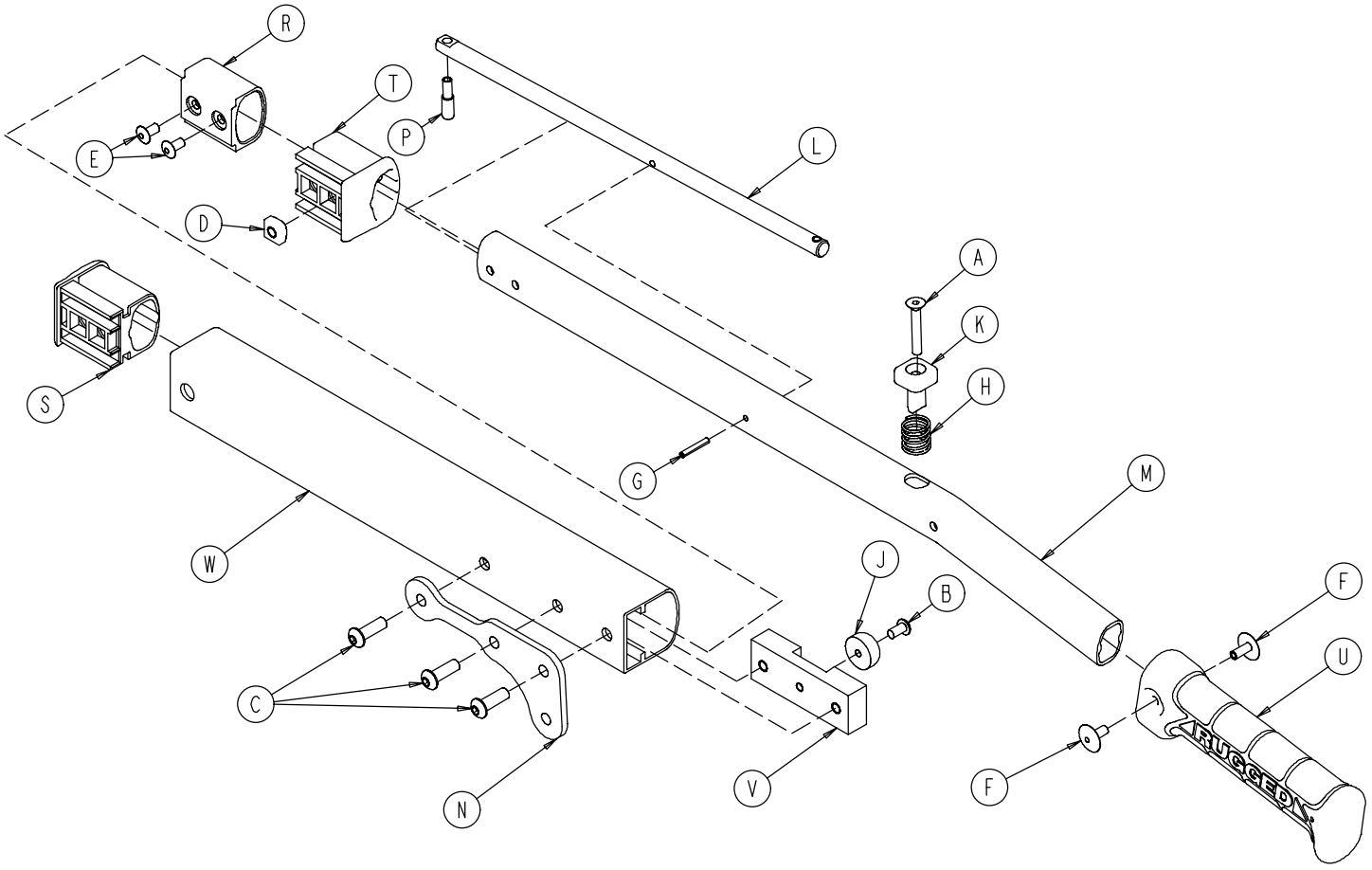
Item	Part No.	Part Name	Qty.
A	0025–120–000	Rivet	4
B	6080–110–035	Clip	2
C	6253–001–056	Seat Frame	1
D	6250–001–096	Foot/Seat Section End Cap	2

6253–001–014 Right Extension Handle Assembly



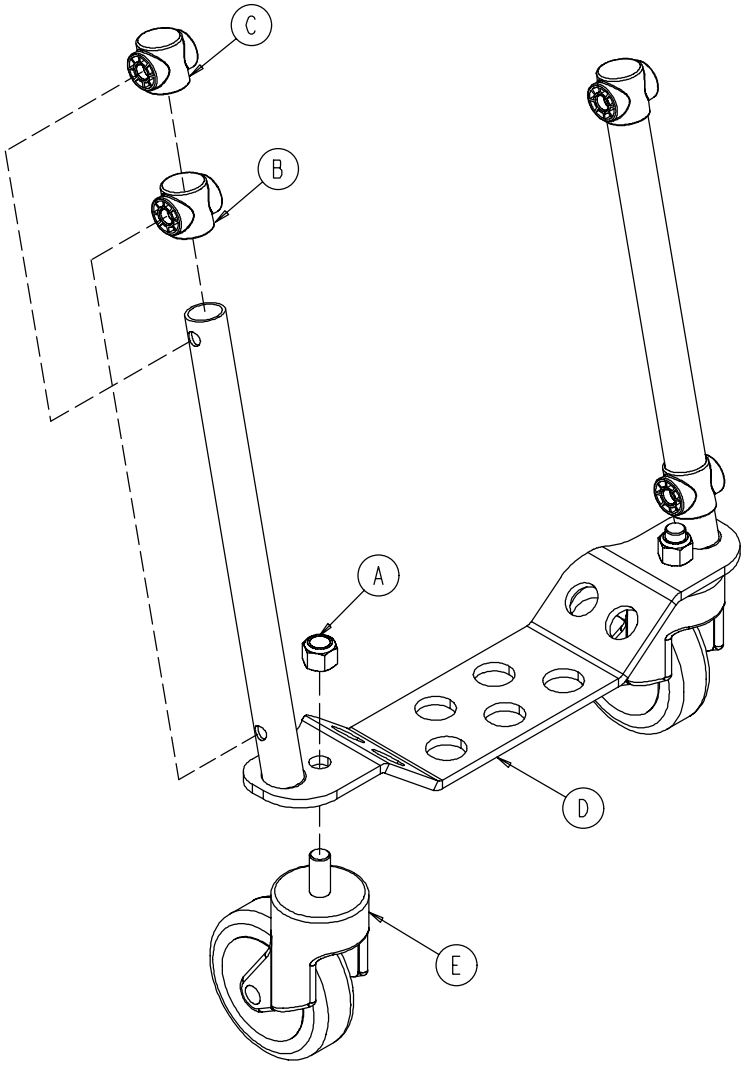
Item	Part No.	Part Name	Qty.
A	0001–138–000	Flat Head Socket Screw	1
B	0004–136–000	But. Hd. Cap Screw	1
C	0004–468–000	Button Head Cap Screw	3
D	0015–016–000	Square Nut	1
E	0025–079–000	Blind Rivet	2
F	0025–132–000	Blind Rivet	2
G	0026–323–000	Coiled Spring Pin	1
H	0038–462–000	Compression Spring	1
J	0056–019–000	Bumper	1
K	6100–031–065	Push Button	1
L	6250–001–080	Pivot Lock Lever	1
M	6250–001–081	Internal Handle Extension	1
N	6253–001–082	Handle Pivot Bracket	1
P	6250–001–083	Lock Pin	1
R	6250–001–085	Internal Slide Bushing	1
S	6250–001–086	Outer End Cap	1
T	6250–001–087	Outer Bushing	1
U	6250–001–089	Hand Grip	1
V	6250–001–112	Handle Dead Stop	1
W	6253–001–121	Outer Handle Extension, Rt.	1

6253–001–015 Left Extension Handle Assembly



Item	Part No.	Part Name	Qty.
A	0001–138–000	Flat Hd. Socket Screw	1
B	0004–136–000	Button Hd. Cap Screw	1
C	0004–468–000	Button Hd. Cap Screw	3
D	0015–016–000	Square Nut	1
E	0025–079–000	Blind Rivet	2
F	0025–132–000	Blind Rivet	2
G	0026–323–000	Coiled Spring Pin	1
H	0038–462–000	Compression Spring	1
J	0056–019–000	Bumper	1
K	6100–031–065	Push Button	1
L	6250–001–080	Pivot Lock Lever	1
M	6250–001–081	Internal Handle Extension	1
N	6253–001–082	Handle Pivot Bracket	1
P	6250–001–083	Lock Pin	1
R	6250–001–085	Internal Slide Bushing	1
S	6250–001–086	Outer End Cap	1
T	6250–001–087	Outer Bushing	1
U	6250–001–089	Hand Grip	1
V	6250–001–112	Handle Dead Stop	1
W	6253–001–122	Outer Handle Extension, Lt.	1

6253–001–025 Foot Support Assembly



Item	Part No.	Part Name	Qty.
A	0016–064–000	Nylock Hex Nut	2
B	6250–001–090	Foot Section End Cap	2
C	6250–001–096	Foot/Seat Section End Cap	2
D	6253–001–050	Foot Support	1
E	6251–001–083	Caster	2

Quick Reference Replacement Parts List

ITEM	PART NUMBER
Back Rest, Molded ABS	6250–001–116
Belt, Track	6252–001–085
Bracket, Chair Wall Storage	6253–001–026
Cable, Upper Handle Release	6252–001–016
Caster, Front (6251/6252)	6251–001–083
Cover, Chair Storage	6253–001–027
Handle Grip	6250–001–089
Restraint, Ankle	6250–001–127
Restraint, Chest, Black	6250–001–126
Restraint, Chest, Green	6250–001–125
Restraint Set, Polypropelene	6250–160–000
Restraint Set, Vinyl	6250–001–019
Seat, Molded ABS	6250–001–115
Touch–Up Paint (Yellow)	6060–199–010
Touch–Up Paint (Black)	6060–199–011
Wheel, Rear, 5” (6252)	6252–001–114
Wheel Lock Pedal	6080–200–030

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